

SFUND RECORDS CTR
2160039

SEVERN
TRENT

STL

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West Sacramento, CA 95605

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December 31, 2004

STL SACRAMENTO PROJECT NUMBER: G4L100385
PO/CONTRACT: W91238-04-F-0084

Dan Jablonski
CH2M Hill Inc
3 Hutton Centre Drive
Suite 200
Santa Ana, CA 92707

Dear Mr. Jablonski,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on December 10, 2004. These samples are associated with your Omega Superfund project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4362.

Sincerely,



Diana Brooks
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G4L100385

Case Narrative	1
STL Sacramento Quality Assurance Program.....	2
Sample Description Information.....	3
Chain of Custody Documentation.....	4
WATER, 1625 Modified, NDMA & 1,2,3-TCP.....	6
Samples: 1, 2, 3, 4, 5	
Sample Data Sheets	
Method Blank Reports	
Laboratory QC Reports	
WATER, 410.4, Demand, Chemical Oxygen.....	233-251
Samples: 1, 2, 3, 4	
Sample Data Sheets	
Method Blank Reports	
Laboratory QC Reports	

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G4L100385

WATER, 1625 Modified, NDA & 1,2,3-TCP

Sample(s): 1, 2, 3, 4, 5

The recovery for the internal standard d6-Nitrosodimethylamine (d6-NDMA) is below the recommended limit of 25%. This is directly due to losses during the solvent reduction steps due to the extreme volatility of these compounds. Isotope dilution generally precludes any adverse impact to the target compound quantitation when a signal to noise of 10:1 is achieved. In all cases this criteria was met and there is no impact to the reported data.

The method blank associated with your samples had a positive concentration of 3.34 ng/L that is slightly above the reporting limit of 2.0 ng/L. Any sample with a positive detection for this analyte has been re-extracted. Samples that are not detected for this analyte has been reported as the anomaly does not have an impact on the data quality.

Sample(s): 5

This sample is associated with a sample batch that had a very high concentration of the target compound nitrosodimethylamine (NDMA). The associated method blank, laboratory control sample and samples were therefore contaminated at similar levels. Sample -005was re-extracted outside of hold time for this compound.

There were no other anomalies associated with this project.



STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon	CA 20005
Arkansas	NA	South Carolina	87014001
Connecticut	PH-0691	Virginia	00178
Florida	960	Washington	1008
Georgia	NA	West Virginia	9930C, 334
Louisiana*	01944	NFESC	NA
Michigan	NA	USACE	NA
Nevada	CA 044	USDA Foreign Soil	NA
New Jersey	CA 045	USDA Foreign Plant	NA
New York*	11666	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request.

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

G4L100385

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
G0R1N	1	OC2-MW8A-W-0-107	12/9/2004 08:30 AM	12/10/2004 09:30 AM
G0R1W	2	OC2-MW8B-W-0-108	12/9/2004 09:40 AM	12/10/2004 09:30 AM
G0R10	3	OC2-MW8C-W-0-109	12/9/2004 10:20 AM	12/10/2004 09:30 AM
G0R12	4	OC2-MW8D-W-0-110	12/9/2004 11:05 AM	12/10/2004 09:30 AM
G0R14	5	OC2-00-W-2-111	12/9/2004 12:00 PM	12/10/2004 09:30 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

G4L100385
Chain of
Custody Record

SEVERN
TRENT

Severn Trent Laboratories, Inc.

STL

STL-4124 (0901)

Client C-12 M HILL			Project Manager DAN JABLONSKI			Date 12/9/04	Chain of Custody Number 142906								
Address 3 HUTTON CTR. DR. STE. 200			Telephone Number (Area Code)/Fax Number 714-435-6215 / 714-429-2050			Lab Number R05518	Page 1 of 1								
City SANTA ANA	State CA	Zip Code 92707	Site Contact M. LADENAU	Lab Contact DIANA BROOKS	Analysis (Attach list if more space is needed)										
Project Name and Location (State) OMEGA CHEMICAL WHITMER, CA			Carrier/Waybill Number FEDEX # 8204 86705332			Special Instructions/ Conditions of Receipt									
Contract/Purchase Order/Quote No.			Matrix					Containers & Preservatives							
Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date 12/9/04	Time 0830	At AR	Agar PBS	MS	Unsed POSSH	80NH ICN	HORN HORN	AD AD	1,2,3-TCP 1,2,3-TCP	AO AO		
OC2-mw8A-w-0-107			12/9/04	0830	X			X X			X X X			RECEIVED IN GOOD CONDITION UNDER COC	
OC2-mw8B-w-0-108				0940	X			X X			X X X			DEC 10 2004	
OC2-mw8C-w-0-109				1020	X			X X			X X X				
OC2-mw8D-w-0-110				1105	X			X X			X X X				
OC2-00-w-0-111				1200	X			X			XX			IN: <i>[Signature]</i>	
Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)									
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months												
Turn Around Time Required												QC Requirements (Specify)			
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____															
1. Relinquished By <i>M.L-HL</i>			Date 12/9/04	Time 1700	1. Received By <i>CLY/BLH</i>			Date 12-10-04		Time 1330					
2. Relinquished By			Date	Time	2. Received By			Date		Time					
3. Relinquished By			Date	Time	3. Received By			Date		Time					
Comments CASE IS COMPLETE															

CLIENT CH2mHCl PM DB LOG # 30004
LOT# (QUANTIMS ID) G4L100385 QUOTE# 60733 LOCATION W22A

DATE RECEIVED 12-10-04 TIME RECEIVED 930 Initials CW Date 12-10-04

DELIVERED BY FEDEX CA OVERNIGHT CLIENT
 AIRBORNE GOLDENSTATE DHL
 UPS BAX GLOBAL GO-GETTERS
 STL COURIER COURIERS ON DEMAND
 OTHER

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) Seal

SHIPPING CONTAINER(S) STL CLIENT N/A

TEMPERTURE RECORD (IN °C) IR 1 3 OTHER

COC #(S) 142906

TEMPERATURE BLANK 20

SAMPLE TEMPERATURE 30

COLLECTOR'S NAME: Verified from COC. Not on COC

pH MEASURED YES ANOMALY N/A

LABELED BY.....

LABELS CHECKED BY.....
PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

Clouseau TEMPERATURE EXCEEDED (2 °C - 6 °C)* N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED N/A

Notes: _____ PM NOTIFIED

*1 Acceptable temperature range for State of Wisconsin samples is <4°C.

WATER, 1625 Modified, NDMA & 1,2,3-TCP

CH2M Hill Inc

Client Sample ID: OC2-MW8A-W-0-107

Trace Level Organic Compounds

Lot-Sample #....: G4L100385-001 Work Order #....: G0R1N1AC Matrix.....: WATER
 Date Sampled...: 12/09/04 Date Received...: 12/10/04
 Prep Date.....: 12/15/04 Analysis Date...: 12/17/04
 Prep Batch #....: 4350473
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi
<u>INTERNAL STANDARDS</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
N-Nitrosodimethylamine-d6	21 *	(25 - 150)		
1,2,3-Trichloropropane-d5	68	(25 - 150)		

NOTE (S) :

* Surrogate recovery is outside stated control limits.

CH2M Hill Inc

Client Sample ID: OC2-MW8B-W-0-108

Trace Level Organic Compounds

Lot-Sample #....: G4L100385-002 Work Order #....: G0R1W1AC Matrix.....: WATER
 Date Sampled....: 12/09/04 Date Received...: 12/10/04
 Prep Date.....: 12/15/04 Analysis Date...: 12/17/04
 Prep Batch #....: 4350473
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi
<u>INTERNAL STANDARDS</u>		PERCENT	RECOVERY	
		RECOVERY	LIMITS	
N-Nitrosodimethylamine-d6	19 *	(25 - 150)		
1,2,3-Trichloropropane-d5	49	(25 - 150)		

NOTE(S) :

* Surrogate recovery is outside stated control limits.

CH2M Hill Inc

Client Sample ID: OC2-MW8C-W-0-109

Trace Level Organic Compounds

Lot-Sample #....: G4L100385-003 Work Order #....: G0R101AC Matrix.....: WATER
 Date Sampled....: 12/09/04 Date Received...: 12/10/04
 Prep Date.....: 12/15/04 Analysis Date...: 12/17/04
 Prep Batch #....: 4350473
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi
<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
N-Nitrosodimethylamine-d6	16 *	(25 - 150)		
1,2,3-Trichloropropane-d5	49	(25 - 150)		

NOTE(S) :

* Surrogate recovery is outside stated control limits.

CH2M Hill Inc

Client Sample ID: OC2-MW8D-W-0-110

Trace Level Organic Compounds

Lot-Sample #....: G4L100385-004 Work Order #....: G0R121AC Matrix.....: WATER
 Date Sampled....: 12/09/04 Date Received...: 12/10/04
 Prep Date.....: 12/15/04 Analysis Date...: 12/17/04
 Prep Batch #....: 4350473
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi
<u>INTERNAL STANDARDS</u>		PERCENT	RECOVERY	
		RECOVERY	LIMITS	
N-Nitrosodimethylamine-d6	20 *	(25 - 150)		
1,2,3-Trichloropropane-d5	61	(25 - 150)		

NOTE(S) :

- * Surrogate recovery is outside stated control limits.

CH2M Hill Inc

Client Sample ID: OC2-00-W-2-111

Trace Level Organic Compounds

Lot-Sample #....: G4L100385-005 Work Order #....: G0R141AA Matrix.....: WATER
Date Sampled....: 12/09/04 Date Received...: 12/10/04
Prep Date.....: 12/15/04 Analysis Date...: 12/17/04
Prep Batch #....: 4350473
Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi
<hr/>				
INTERNAL STANDARDS	PERCENT	RECOVERY		
	RECOVERY	LIMITS		
1,2,3-Trichloropropane-d5	53	(25	- 150)	

CH2M Hill Inc

Client Sample ID: OC2-00-W-2-111

Trace Level Organic Compounds

Lot-Sample #....: G4L100385-005 Work Order #....: G0R142AA Matrix.....: WATER
Date Sampled....: 12/09/04 Date Received...: 12/10/04
Prep Date.....: 12/22/04 Analysis Date...: 12/29/04
Prep Batch #....: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi
INTERNAL STANDARDS	PERCENT	RECOVERY	LIMITS	
N-Nitrosodimethylamine-d6	26		(25 - 150)	

QC DATA ASSOCIATION SUMMARY

G4L100385

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4350473	
002	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4350473	
003	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4350473	
004	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4350473	
005	WATER	CFR136A 1625 Modi		4350473	
	WATER	CFR136A 1625 Modi		4357371	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #....: G4L100385 Work Order #....: G05QJ1AA Matrix.....: WATER
MB Lot-Sample #: G4L150000-473 Prep Date.....: 12/15/04
Analysis Date...: 12/20/04 Prep Batch #: 4350473
Dilution Factor: 1

PARAMETER	DETECTION			METHOD
	RESULT	LIMIT	UNITS	
N-Nitrosodimethylamine	3.3	2.0	ng/L	CFR136A 1625 Modi
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi
INTERNAL STANDARDS	PERCENT			RECOVERY
	RECOVERY	LIMITS		
N-Nitrosodimethylamine-d6	17 *	(25 - 150)		
1,2,3-Trichloropropane-d5	55	(25 - 150)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #....: G4L100385 Work Order #....: G1NWF1AA Matrix.....: WATER
MB Lot-Sample #: G4L220000-371
Analysis Date...: 12/29/04 Prep Date.....: 12/22/04
Dilution Factor: 1 Prep Batch #: 4357371

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
N-Nitrosodimethylamine	18	2.0	ng/L	CFR136A 1625 Modi
<hr/>				
INTERNAL STANDARDS	PERCENT	RECOVERY	LIMITS	
N-Nitrosodimethylamine-d6	31		(25 - 150)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

PARAMETER	PERCENT	RECOVERY	RPD	RPD LIMITS	METHOD
	RECOVERY	LIMITS			
N-Nitrosodimethylamine	124	(70 - 130)			CFR136A 1625 Modifie
	93 p	(70 - 130)	28	(0-20)	CFR136A 1625 Modifie
1,2,3-Trichloropropane	112	(50 - 150)			CFR136A 1625 Modifie
	89	(50 - 150)	23	(0-50)	CFR136A 1625 Modifie

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
N-Nitrosodimethylamine-d6	30	(25 - 150)
1, 2, 3-Trichloropropane-d5	11 * 76 58	(25 - 150) (25 - 150) (25 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G4L100385 Work Order #....: G05QJ1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: G4L150000-473 G05QJ1AD-LCSD
 Prep Date.....: 12/15/04 Analysis Date...: 12/17/04
 Prep Batch #....: 4350473
 Dilution Factor: 1

PARAMETER	SPIKE	MEASURED		PERCENT	METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY	
N-Nitrosodimethylamine	100	124	ng/L	124	CFR136A 1625 Modifie
	100	92.9 p	ng/L	93	CFR136A 1625 Modifie
1,2,3-Trichloropropane	100	112	ng/L	112	CFR136A 1625 Modifie
	100	89.0	ng/L	89	CFR136A 1625 Modifie

INTERNAL STANDARD	PERCENT	RECOVERY
	RECOVERY	LIMITS
N-Nitrosodimethylamine-d6	30	(25 - 150)
	11 *	(25 - 150)
1,2,3-Trichloropropane-d5	76	(25 - 150)
	58	(25 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G4L100385 **Work Order #....:** G1NWF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G4L220000-371
Prep Date.....: 12/22/04 **Analysis Date...:** 12/29/04
Prep Batch #....: 4357371
Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	
	RECOVERY	LIMITS	METHOD
N-Nitrosodimethylamine	119	(70 - 130)	CFR136A 1625 Modifie

INTERNAL STANDARD	PERCENT	RECOVERY	
	RECOVERY	LIMITS	
N-Nitrosodimethylamine-d6	31	(25 - 150)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G4L100385 **Work Order #....:** G1NWF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G4L220000-371
Prep Date.....: 12/22/04 **Analysis Date...:** 12/29/04
Prep Batch #....: 4357371
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u>	<u>MEASURED</u>	<u>PERCENT</u>	<u>METHOD</u>
	<u>AMOUNT</u>	<u>AMOUNT</u>	<u>RECOVERY</u>	
N-Nitrosodimethylamine	100	119	ng/L	119

<u>INTERNAL STANDARD</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
N-Nitrosodimethylamine-d6	31	(25 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

Ics

ms/sd

sample raw data

ms tune data

Quantitation Summary

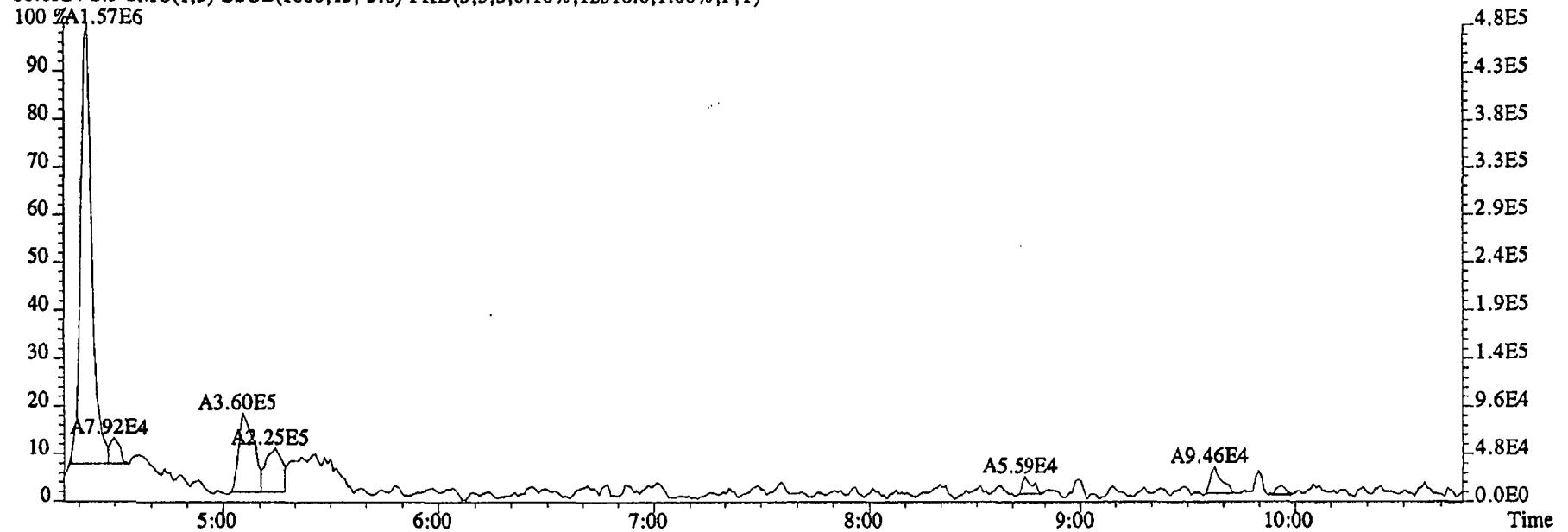
STL

Page 2 o

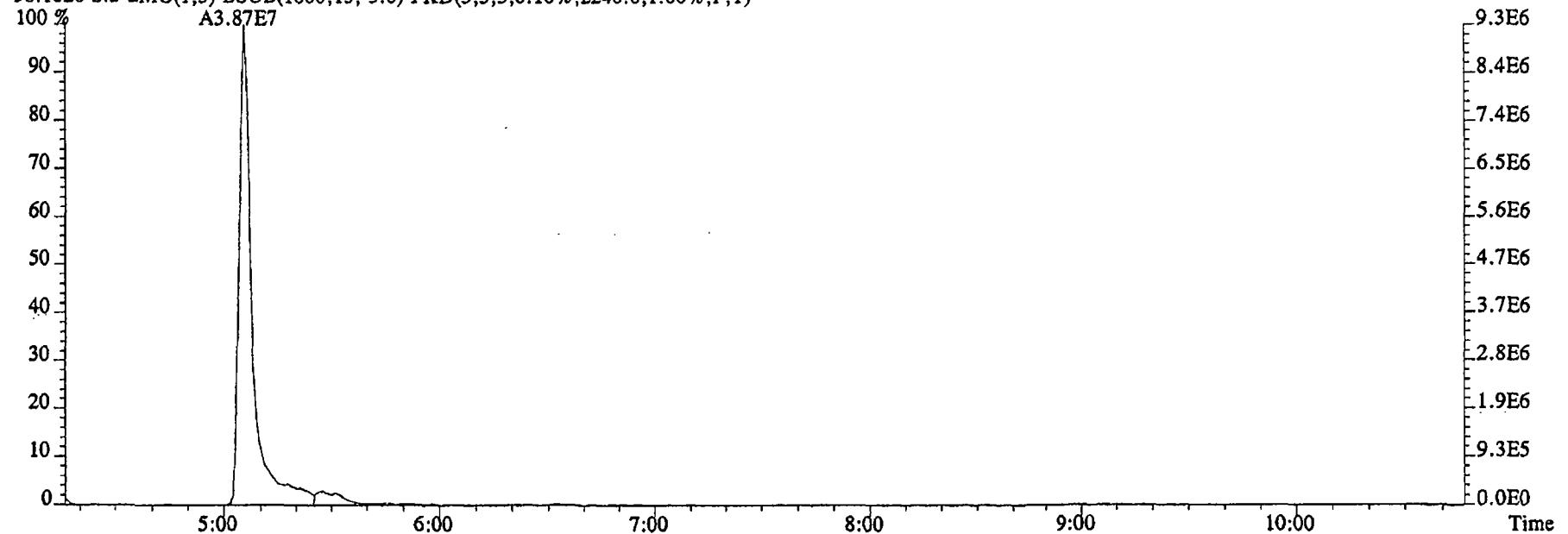
Run text: G05QJ-1-AAB Sample text: G05QJ-1-AAB :E4L090217-1MB
 Run #7 Filename: 20DE045SP S: 3 I: 1 Results: 20DE045SP1625
 Acquired: 20-DEC-04 16:29:26 Processed: 21-DEC-04 10:22:03
 Run: CP Analyte: 1625 Cal: 16251216045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	125380000		11:03	-	255.67	-	-	n
D8-1,4-Dioxane	38741400		5:06	0.66	94.29	0.06	9.4	n
1,4-Dioxane	359690		5:06	1.05	8.81	3.83	-	n
D5-123-TriChloroPropane	80632000		10:00	2.35	54.71	0.03	54.7	n
1,2,3-TriChloroPropane	20843		10:13	0.48	0.05	0.25	-	n
1,2,3-TriChloroPropane	*		Not Fnd	-	*	-	-	n
D6-NDMA	16193400		10:09	1.48	17.44	0.00	17.4	n
NDMA	741990		10:09	1.37	3.34 ✓	1.48	-	y
2-Chloropyridine	407861000		11:03	-	260.24	-	-	n

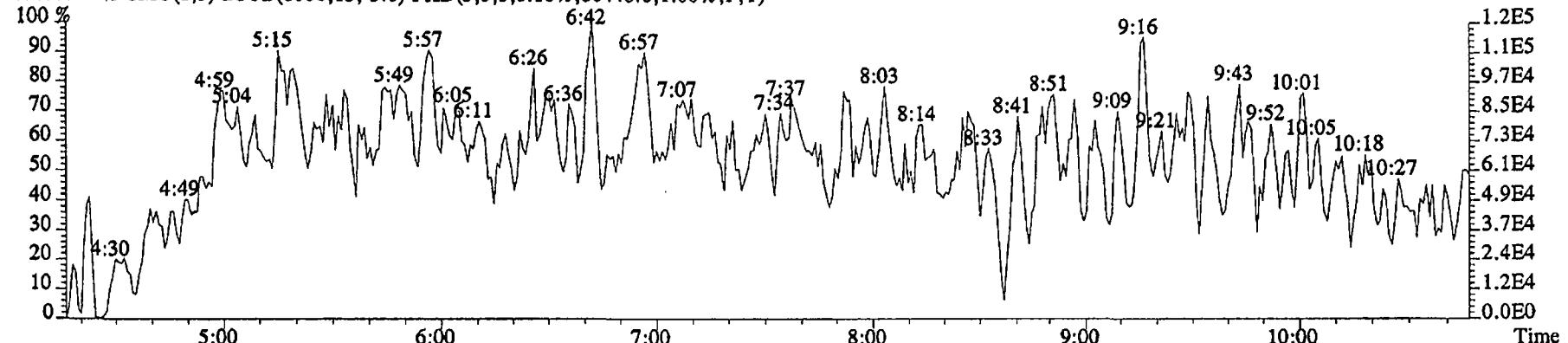
File:20DE045SP #1-481 Acq:20-DEC-2004 16:29:26 GC EI + Voltage SIR 70SE
Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12516.0,1.00%,F,T)
100 % A1.57E6



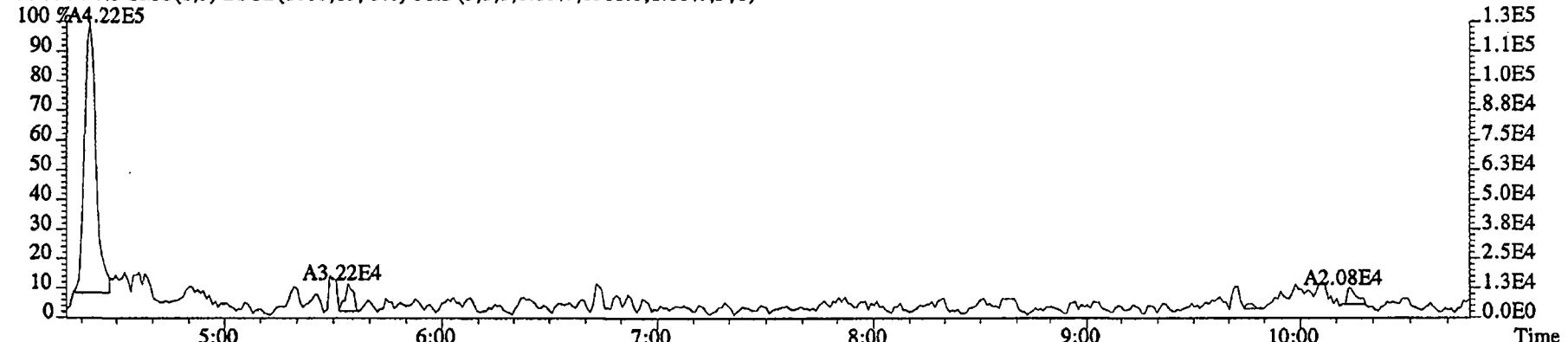
96.1026 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2240.0,1.00%,F,T)



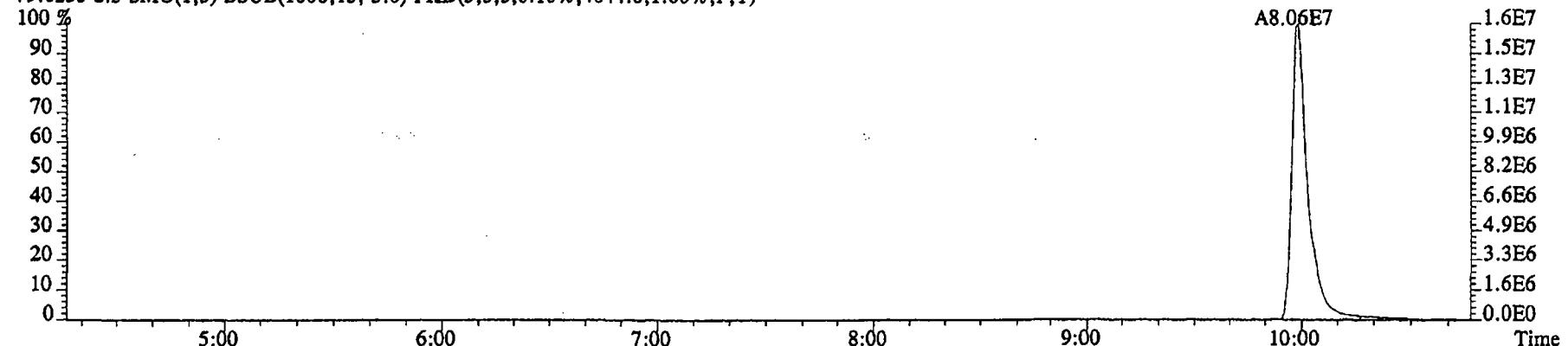
File:20DE045SP #1-481 Acq:20-DEC-2004 16:29:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
 75.0002 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,86448.0,1.00%,F,T)



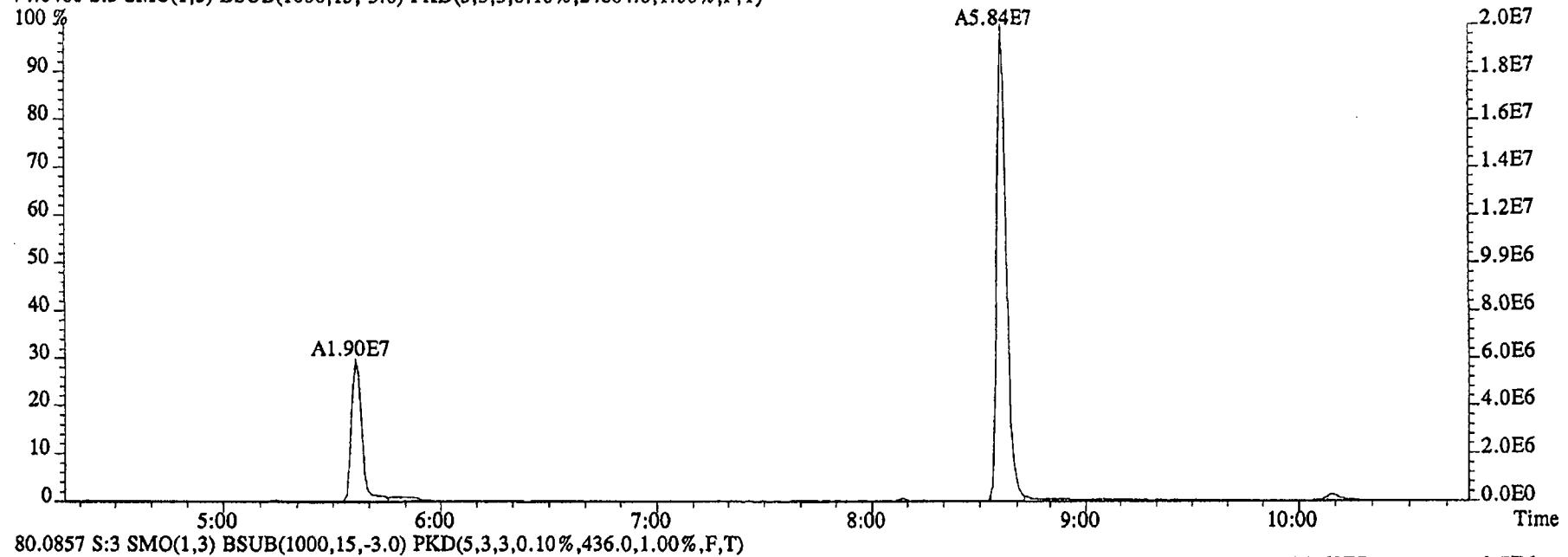
76.9972 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6560.0,1.00%,F,T)



79.0253 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4644.0,1.00%,F,T)

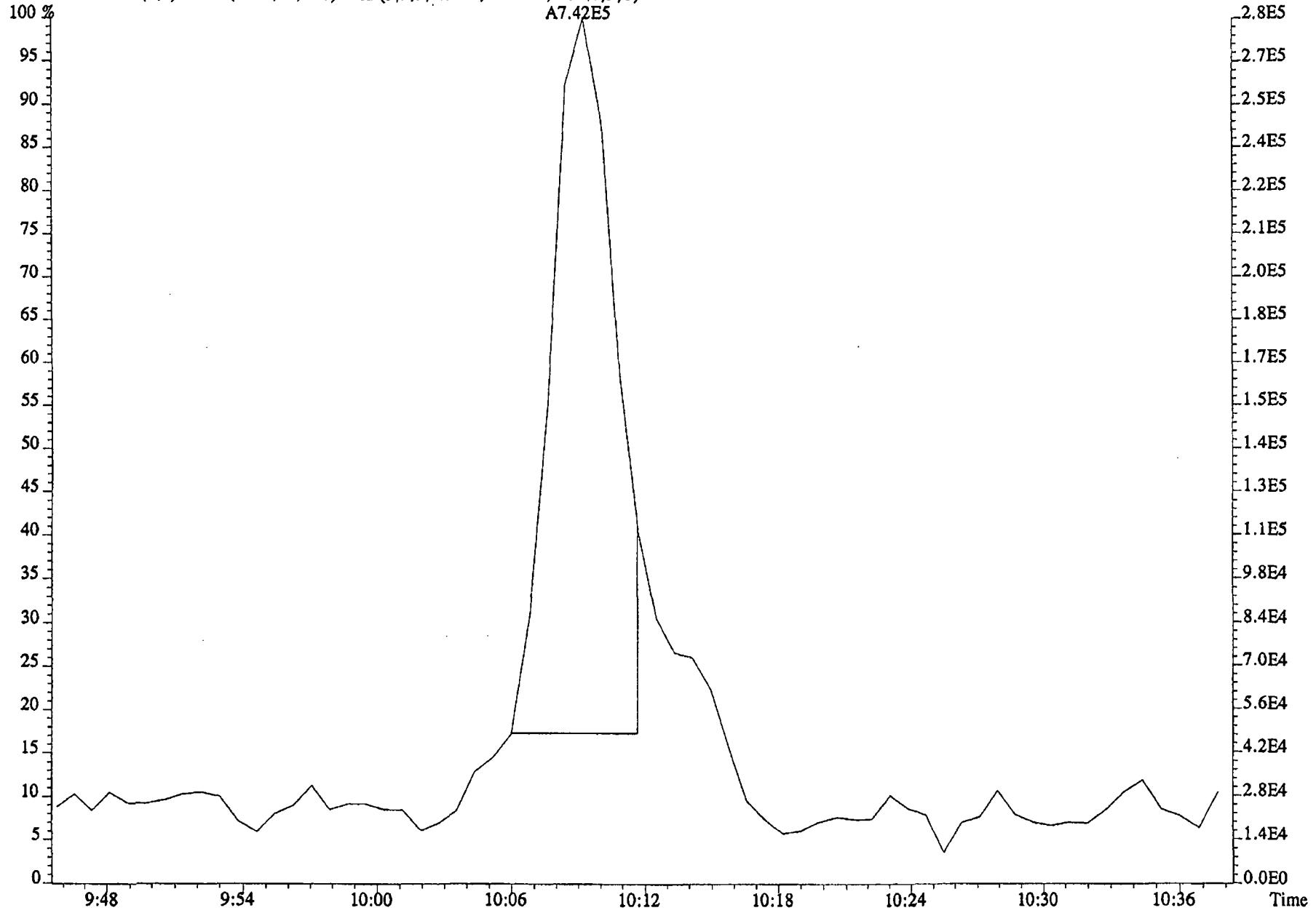


File:20DE045SP #1-481 Acq:20-DEC-2004 16:29:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
74.0480 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24864.0,1.00%,F,T)

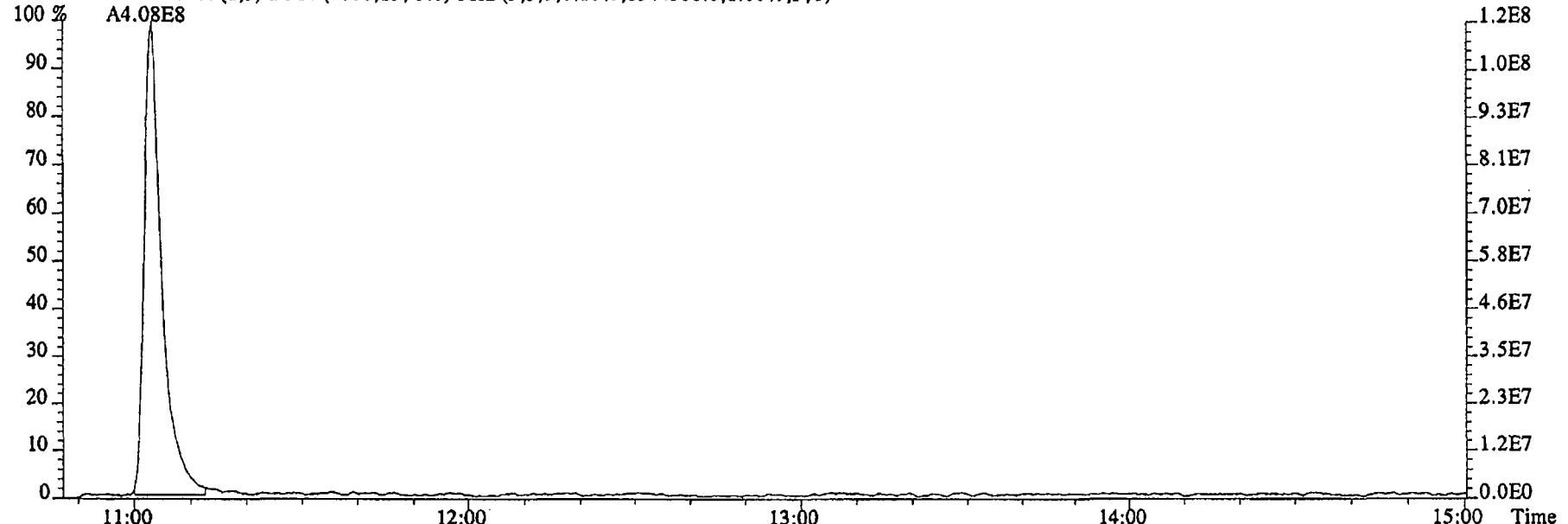


80.0857 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,436.0,1.00%,F,T)

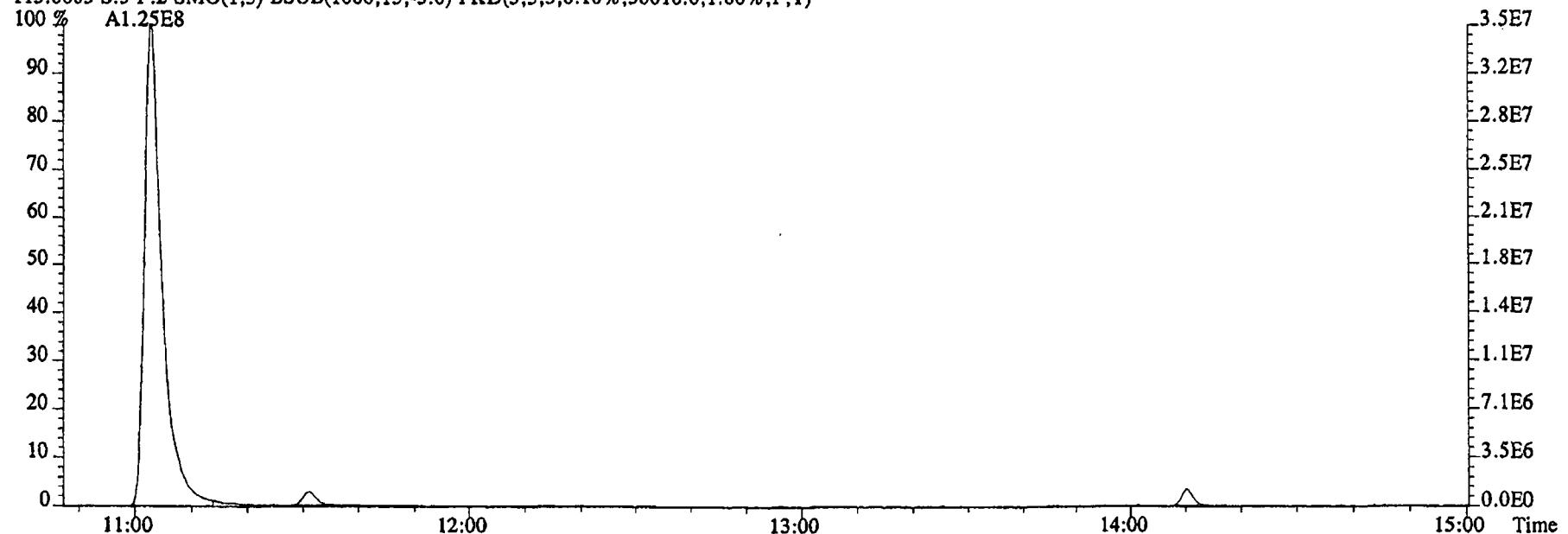
File:20DE045SP #1-481 Acq:20-DEC-2004 16:29:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
74.0480 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,24864.0,1.00%,F,T)



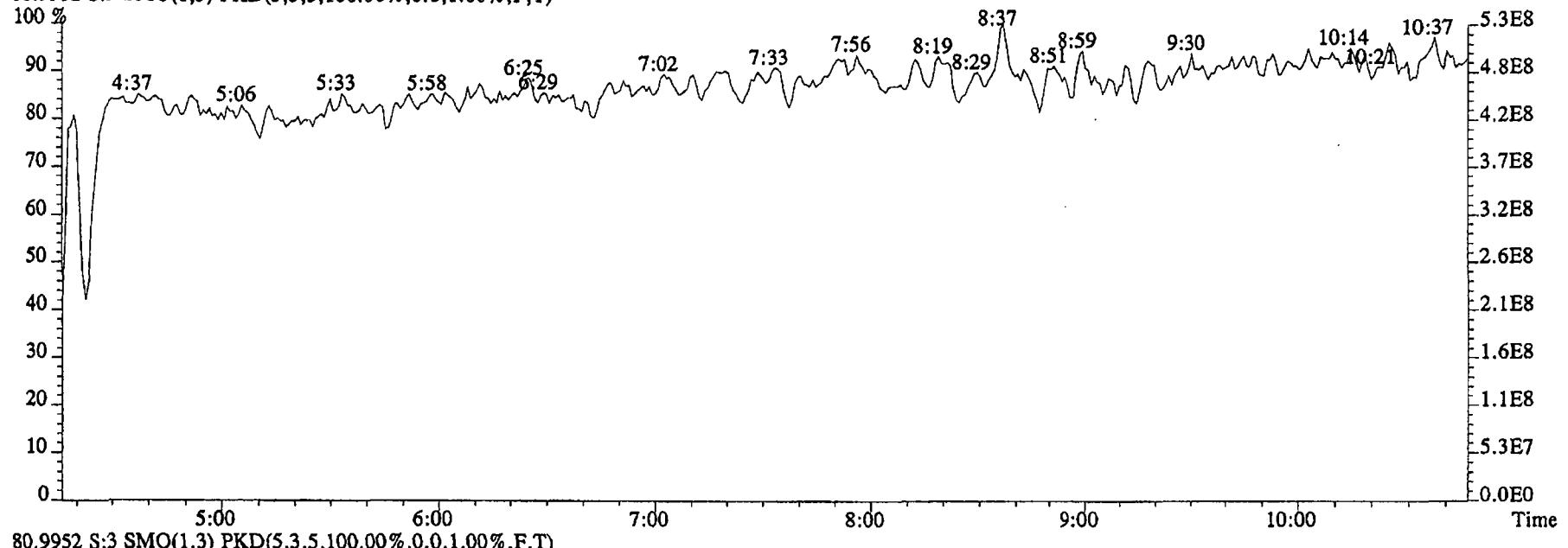
File:20DE045SP #1-590 Acq:20-DEC-2004 16:29:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
113.0032 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1344308.0,1.00%,F,T)



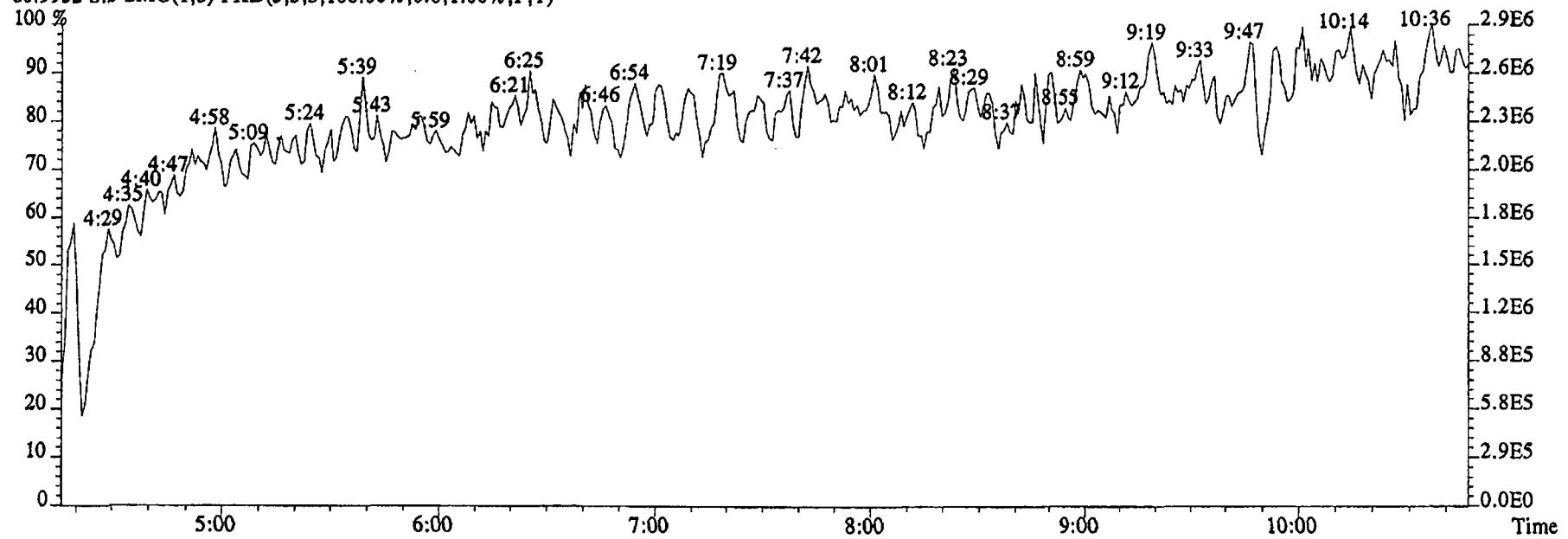
115.0003 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30016.0,1.00%,F,T)



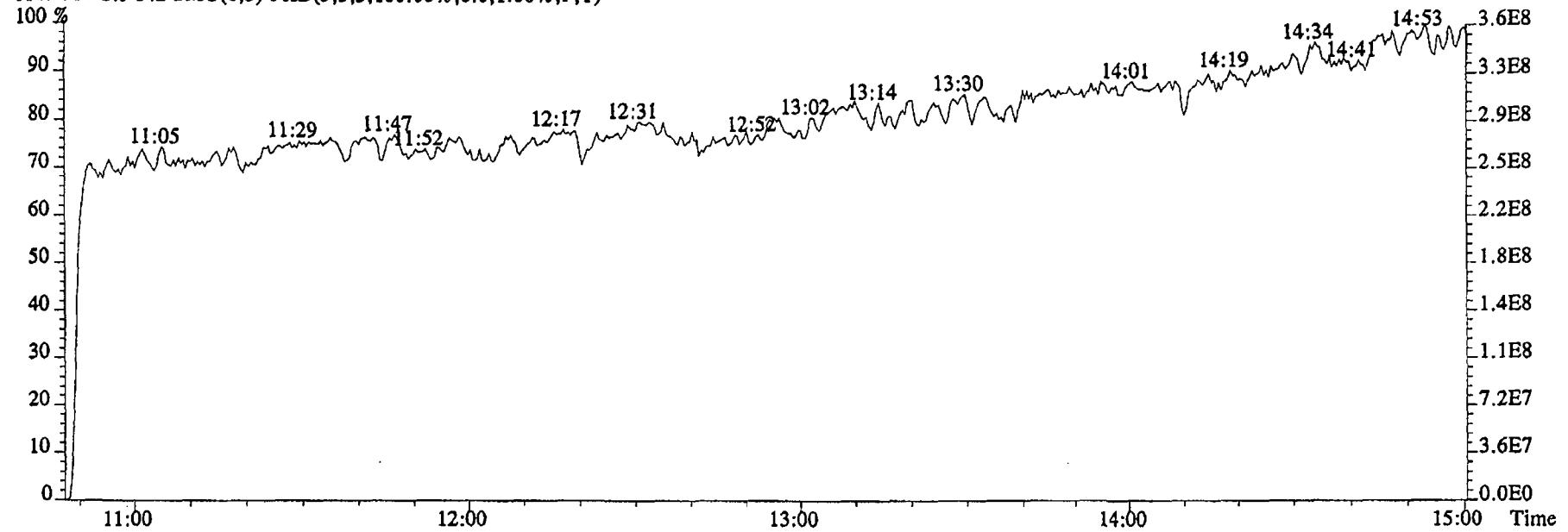
File:20DE045SP #1-481 Acq:20-DEC-2004 16:29:26 GC EI+ Voltage SIR 70SE
Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
68.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



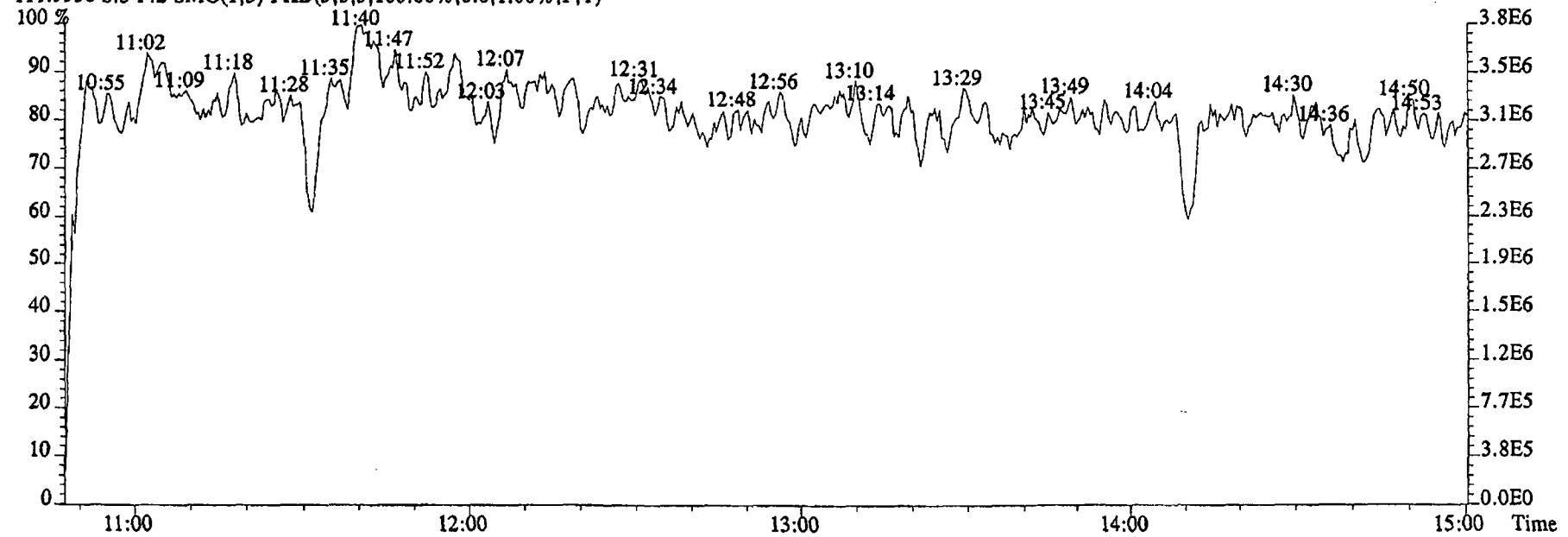
80.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:20DE045SP #1-590 Acq:20-DEC-2004 16:29:26 GC EI+ Voltage SIR 70SE
 Sample#3 Text:G05QJ-1-AAB :E4L090217-1MB Exp:NDMAVOA
 118.9920 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Quantitation Summary

STL

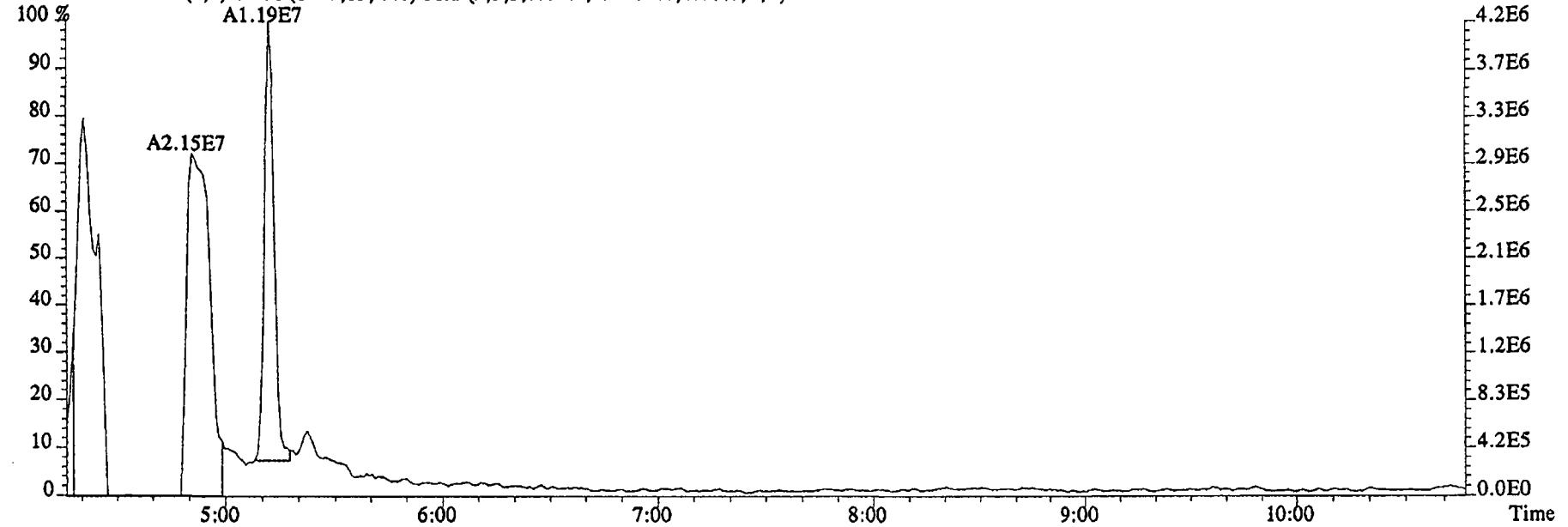
Page 23 of

Run text: G05QJ-1-ACC Sample text: G05QJ-1-ACC :E4L090217-1LCS
 Run #28 Filename: 16DE045SP S: 32 I: 1 Results: 16DE045SP1625
 Acquired: 17-DEC-04 05:07:58 Processed: 17-DEC-04 13:47:58
 Run: 16DE045SP Analyte: 1625 Cal: 16251216045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

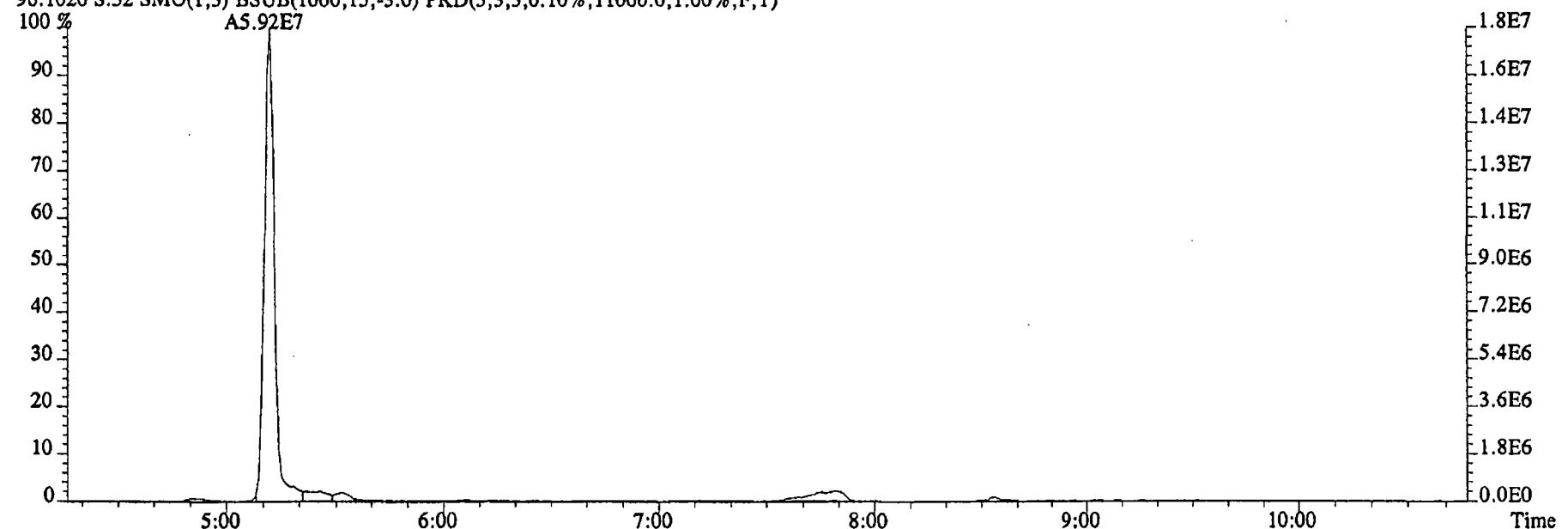
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	107926000		11:04	-	220.08	-	-	n
D8-1,4-Dioxane	59168100		5:12	0.66	167.29	0.29	16.7	n
1,4-Dioxane	11895500		5:12	1.05	190.67	24.48	-	n
D5-123-TriChloroPropane	97024600		10:00	2.35	76.48	0.19	76.5	n
1,2,3-TriChloroPropane	52319000		10:04	0.48	111.97 ✓	2.27	-	n
1,2,3-TriChloroPropane	157162000		10:04	-	96.41	-	-	n
D6-NDMA	23764500		10:11	1.48	29.73	0.13	29.7	n
NDMA	40385800		10:11	1.37	123.70	5.54	-	n
2-Chloropyridine	336445000		11:04	-	214.67	-	-	n

12-34-41
CJ

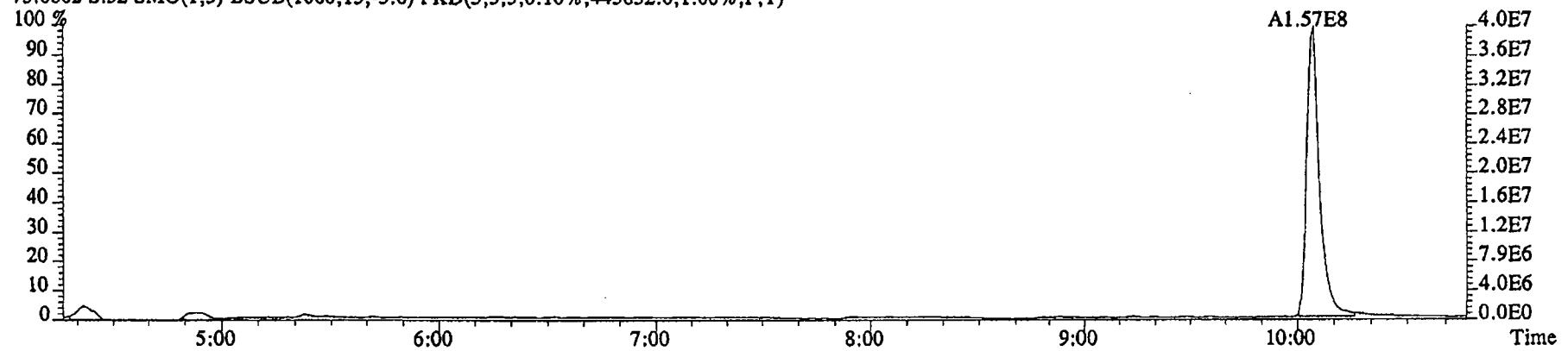
File:16DE045SP #1-481 Acq:17-DEC-2004 05:07:58 GC EI+ Voltage SIR 70SE
Sample#32 Text:G05QJ-1-ACC :E4L090217-1LCS Exp:NDMAVOA
88.0524 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,155256.0,1.00%,F,T)



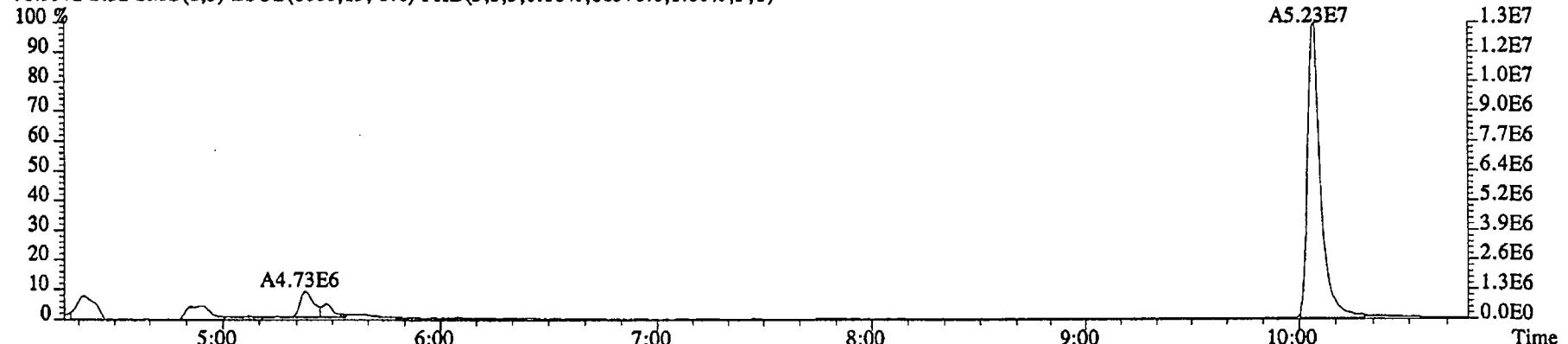
96.1026 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11060.0,1.00%,F,T)



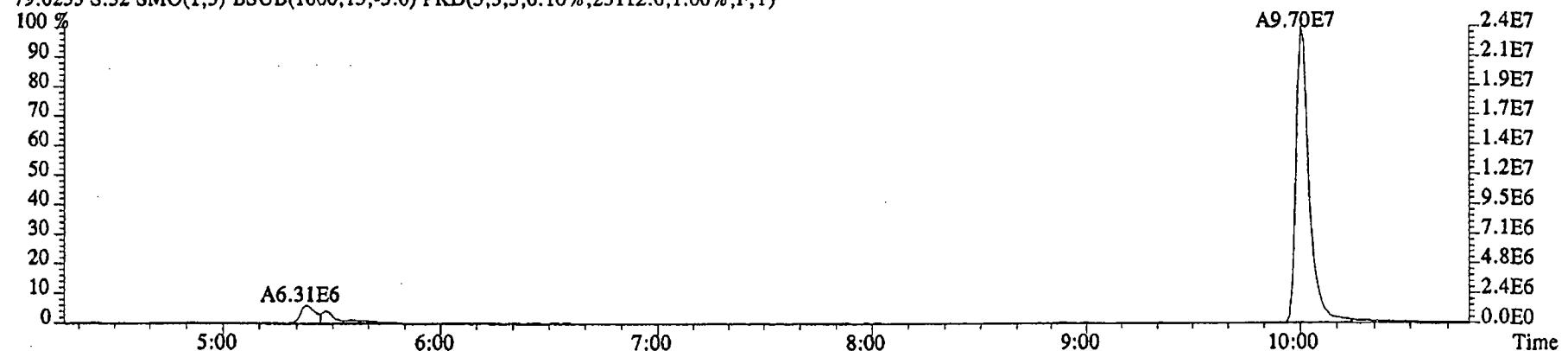
File:16DE04SSP #1-481 Acq:17-DEC-2004 05:07:58 GC EI+ Voltage SIR 70SE
Sample#32 Text:G05QJ-1-ACC :E4L090217-1LCS Exp:NDMAVOA
75.0002 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,445832.0,1.00%,F,T)



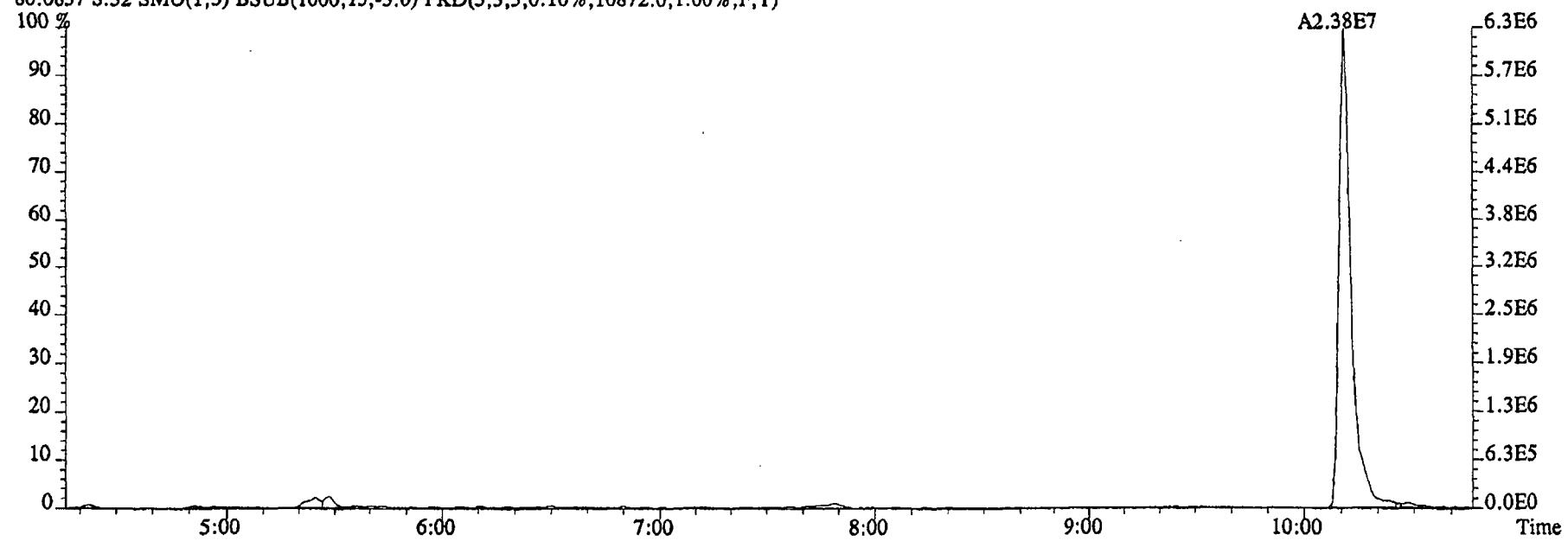
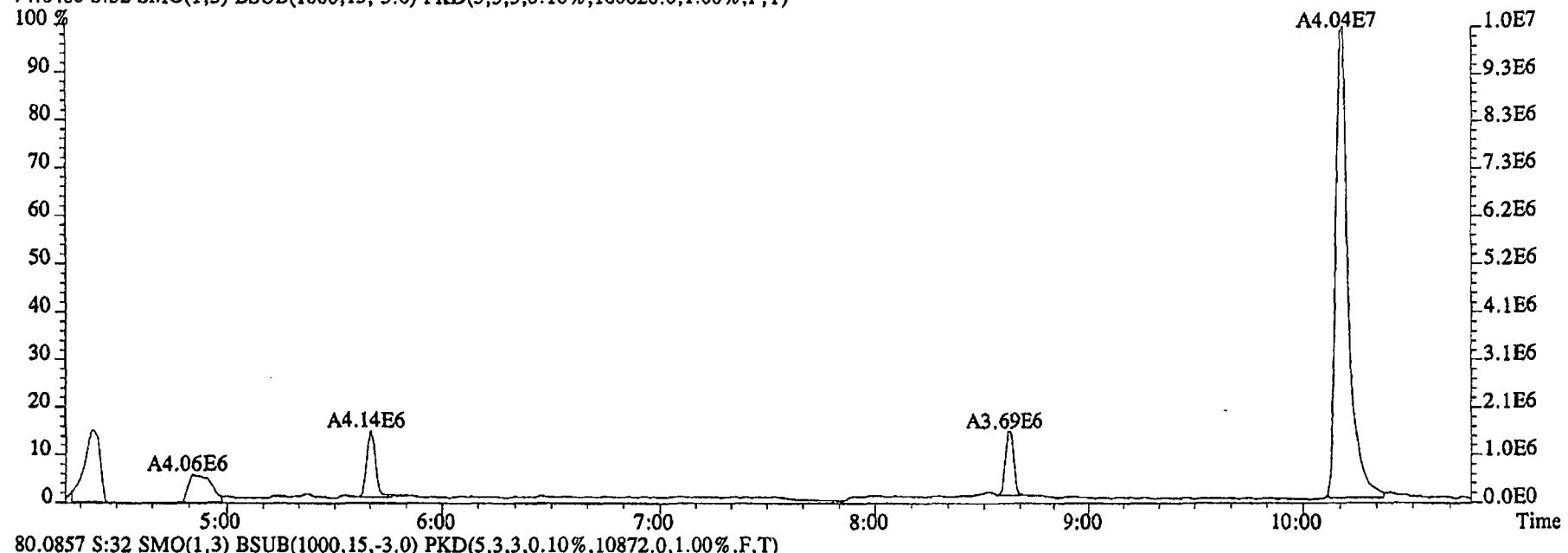
76.9972 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,86576.0,1.00%,F,T)



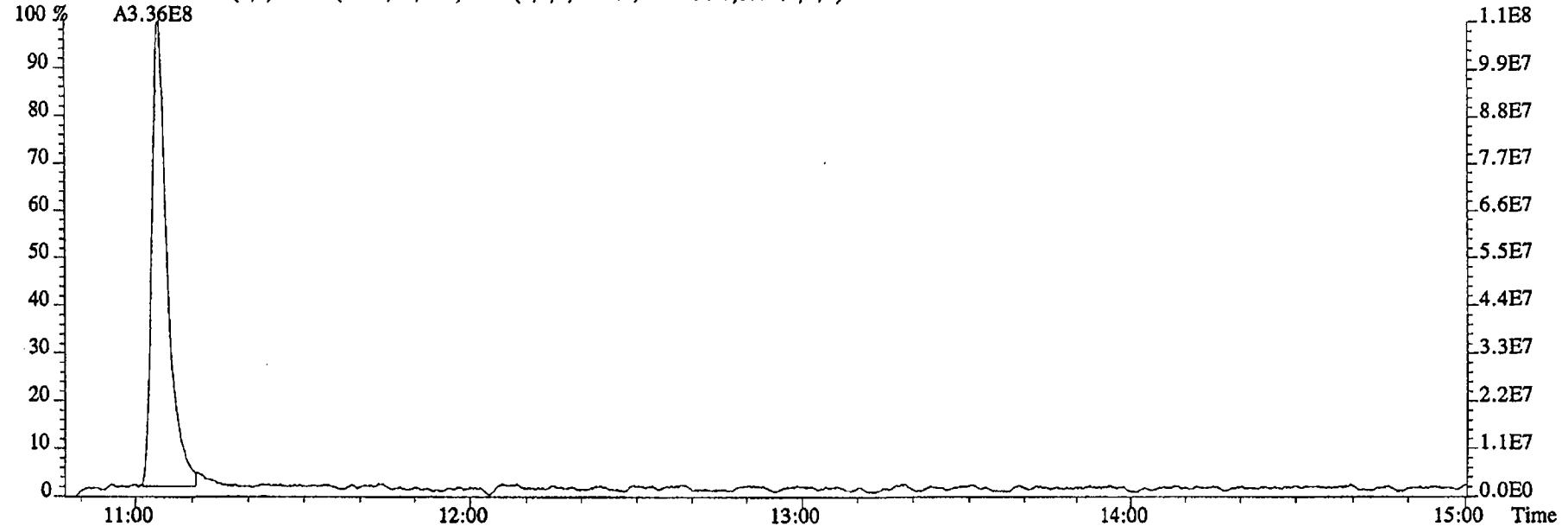
79.0253 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25112.0,1.00%,F,T)



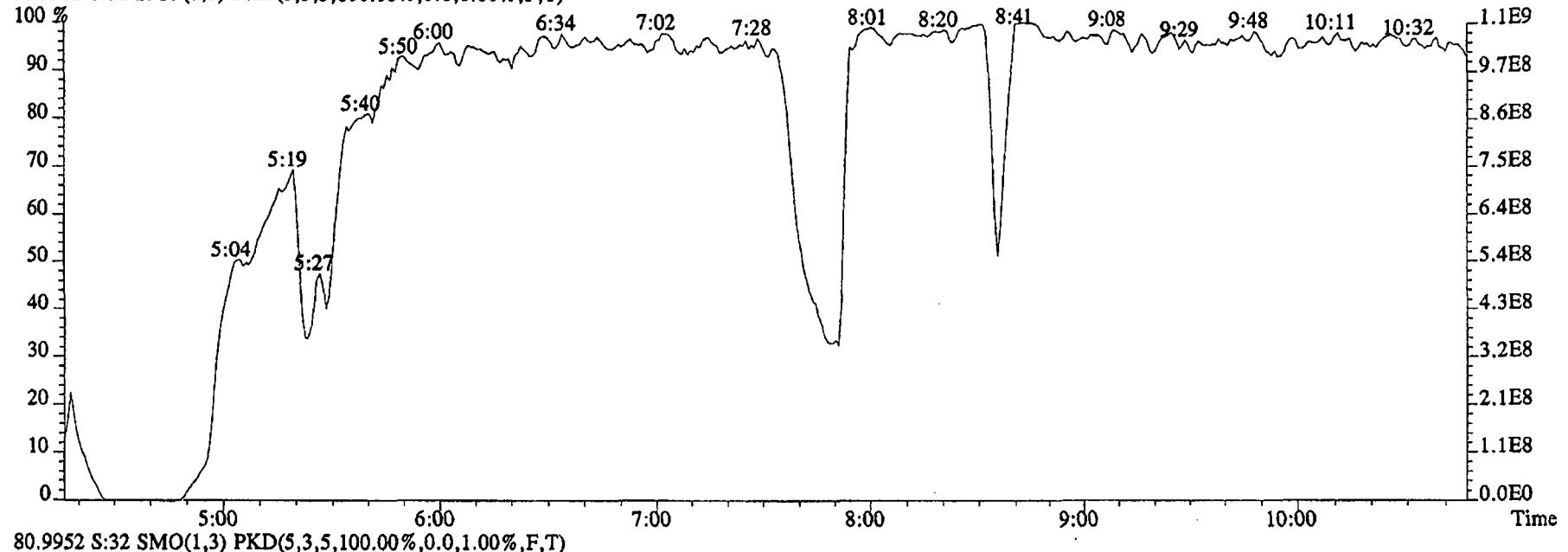
File:16DE045SP #1-481 Acq:17-DEC-2004 05:07:58 GC EI+ Voltage SIR 70SE
Sample#32 Text:G05QJ-1-ACC :E4L090217-1LCS Exp:NDMAVOA
74.0480 S:32 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,160620.0,1.00%,F,T)



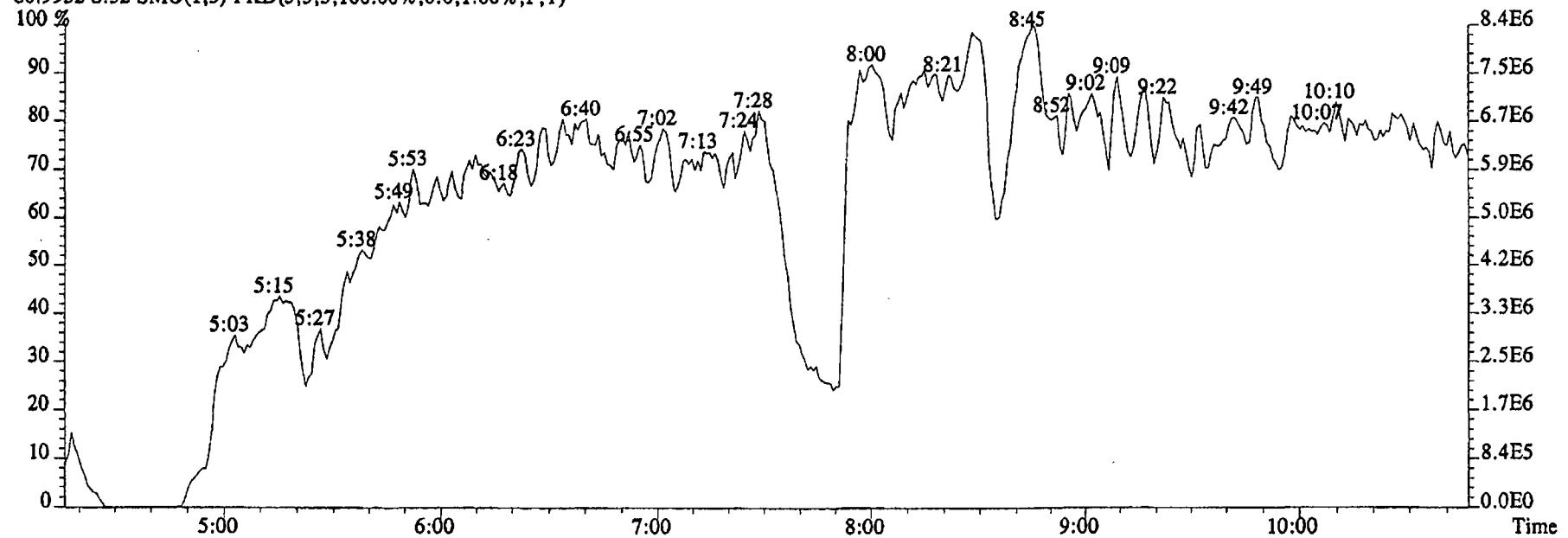
File:16DE045SP #1-590 Acq:17-DEC-2004 05:07:58 GC EI+ Voltage SIR 70SE
Sample#32 Texi:G05QJ-1-ACC :E4L090217-1LCS Exp:NDMAVOA
113.0032 S:32 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2624236.0,1.00%,F,T)



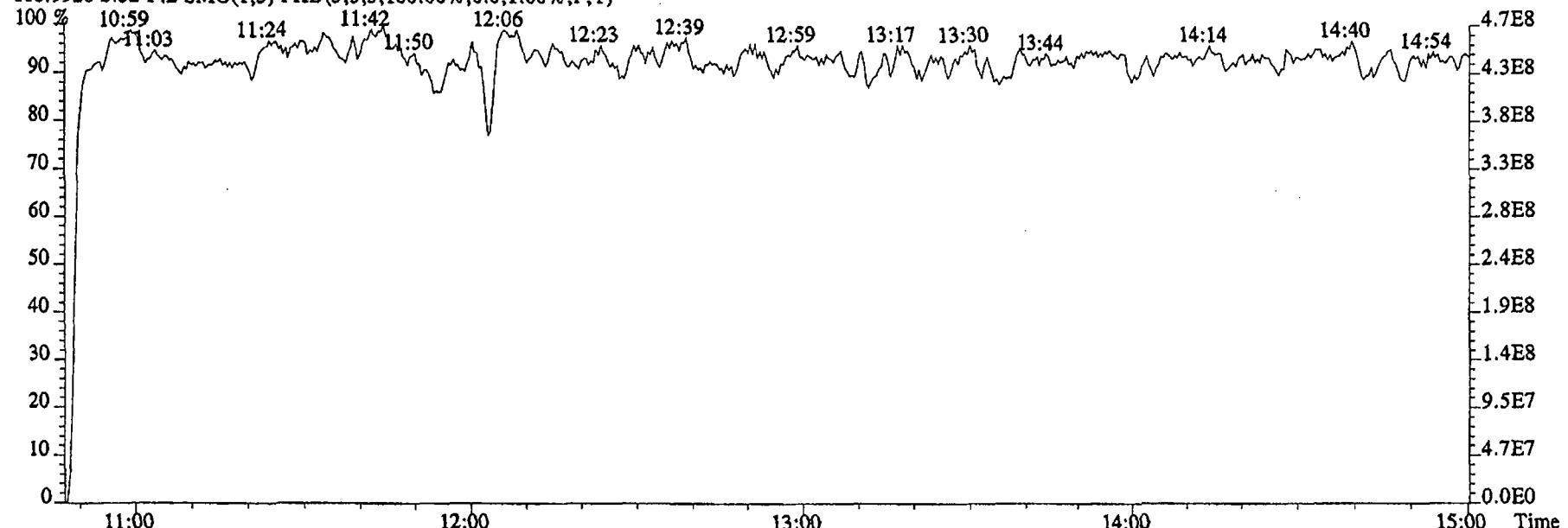
File:16DE045SP #1-481 Acq:17-DEC-2004 05:07:58 GC EI+ Voltage SIR 70SE
 Sample#32 Text:G05QJ-1-ACC :E4L090217-1LCS Exp:NDMAVOA
 68.9952 S:32 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



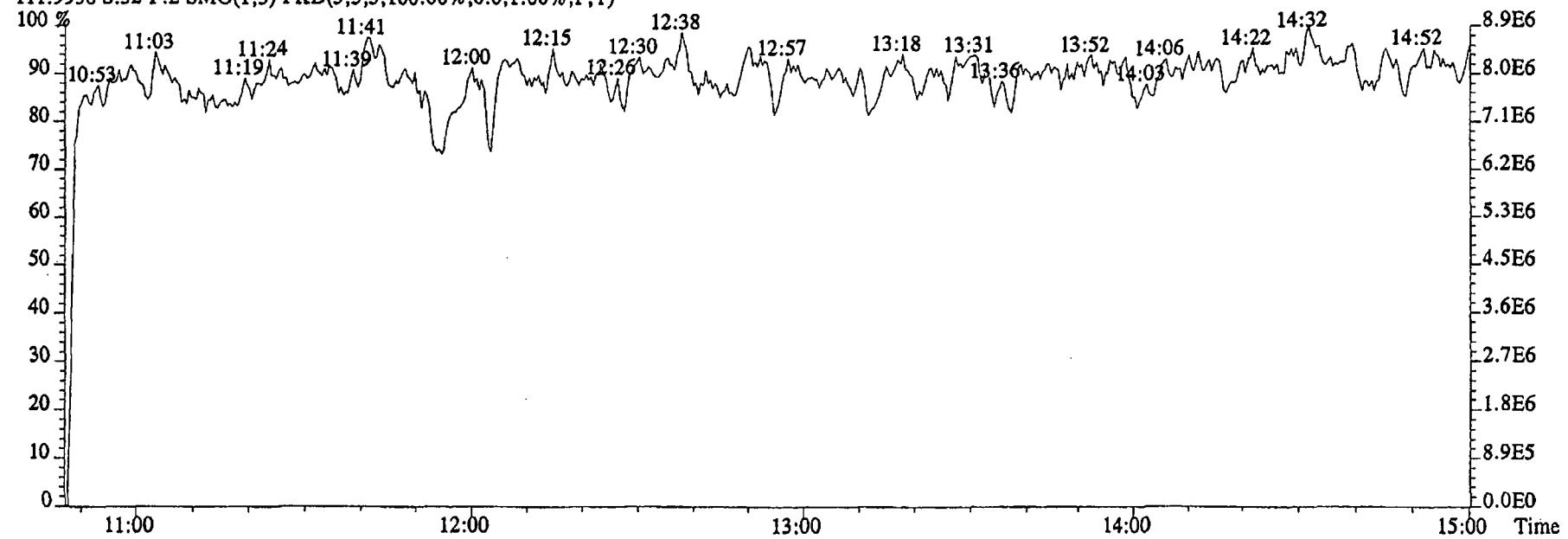
80.9952 S:32 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:17-DEC-2004 05:07:58 GC EI+ Voltage SIR 70SE
Sample#32 Text:G05QJ-1-ACC :E4L090217-1LCS Exp:NDMAVOA
118.9920 S:32 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:32 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Quantitation Summary

STL

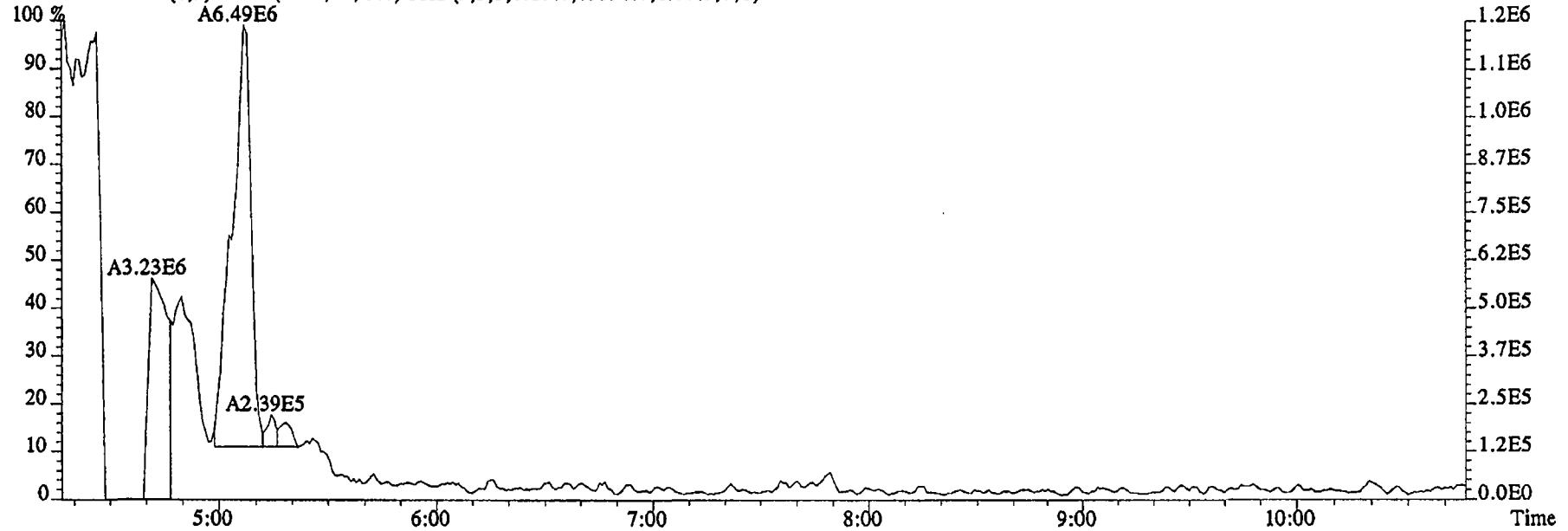
Page 3 o

Run text: G05QJ-1-ADL Sample text: G05QJ-1-ADL :E4L090217-1DCS
 Run #8 Filename: 20DE045SP S: 4 I: 1 Results: 20DE045SP1625
 Acquired: 20-DEC-04 16:49:51 Processed: 21-DEC-04 10:22:03
 Run: CP Analyte: 1625 Cal: 16251216045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

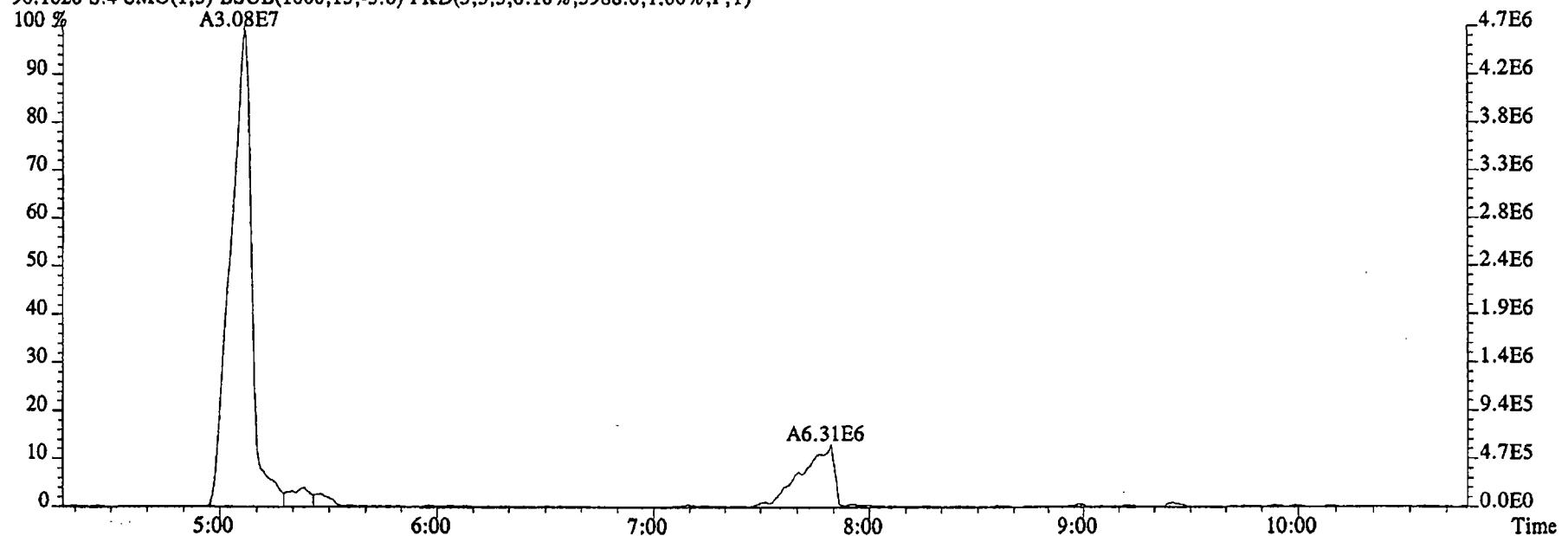
	Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
	2-Chloropyridine	155199000		11:02	-	316.47	-	-	n
	D8-1,4-Dioxane	30814500		5:07	0.66	60.59	0.12	6.1	n
	1,4-Dioxane	6490650		5:07	1.05	199.77	51.60	-	n
D5-123-TriChloroPropane	106665000			9:58	2.35	58.47	0.07	58.5	n
1,2,3-TriChloroPropane	45731800			10:02	0.48	89.03 ✓	0.34	-	n
1,2,3-TriChloroPropane	136089000			10:02	-	83.48	-	-	n
D6-NDMA	12414700			10:09	1.48	10.80	0.01	10.8	n
NDMA	15836700			10:08	1.37	92.86 ✓	2.24	-	n
2-Chloropyridine	464977000			11:03	-	296.68	-	-	n

12-36-84
0

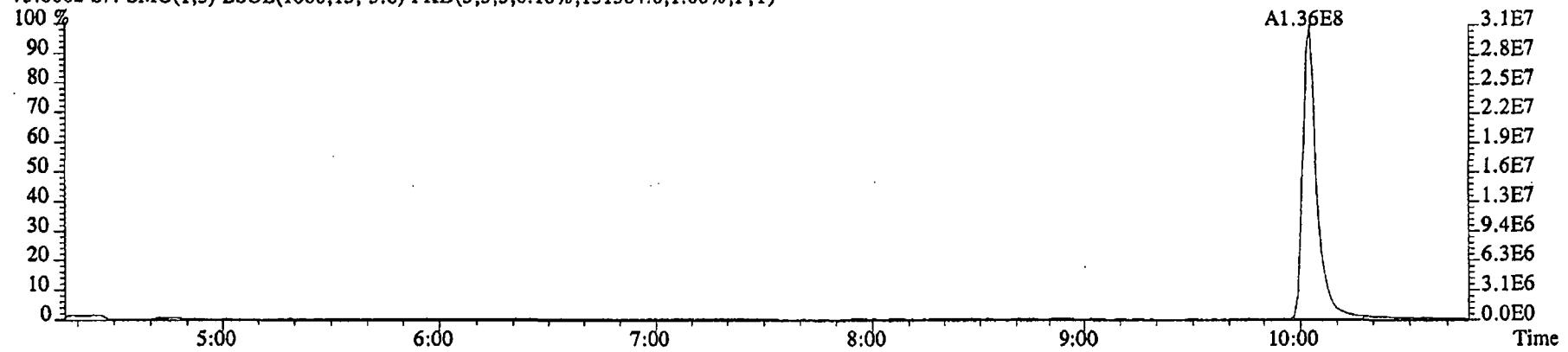
File:20DE045SP #1-480 Acq:20-DEC-2004 16:49:51 GC EI+ Voltage SIR 70SE
Sample#4 Text:G05QJ-1-ADL :E4L090217-1DCS Exp:NDMAVOA
88.0524 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,85396.0,1.00%,F,T)



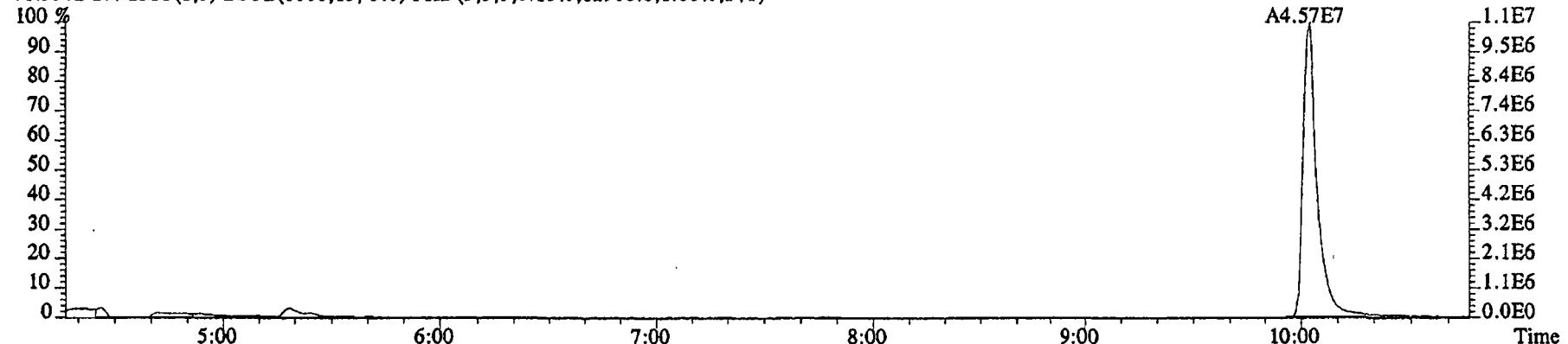
96.1026 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5988.0,1.00%,F,T)



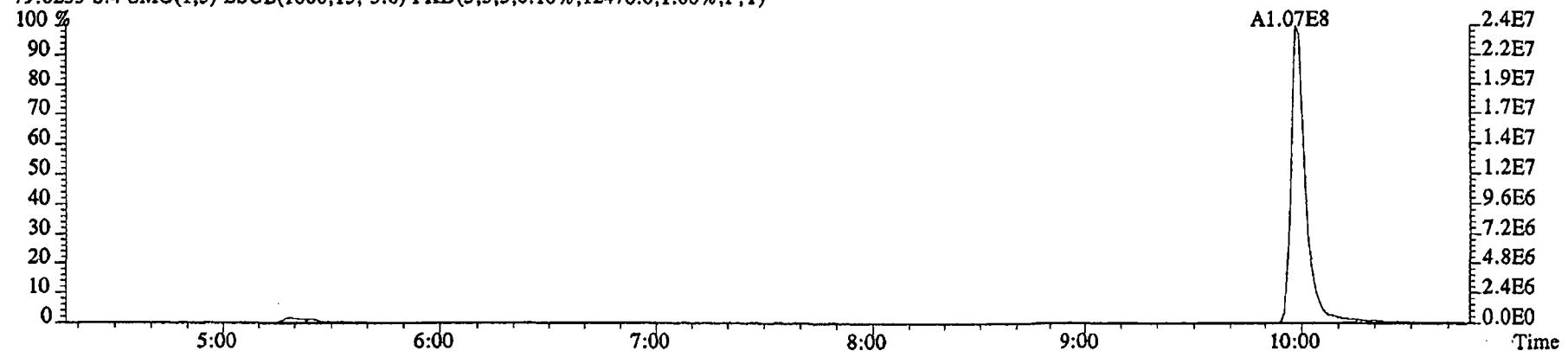
File:20DE045SP #1-480 Acq:20-DEC-2004 16:49:51 GC EI+ Voltage SIR 70SE
Sample#4 Text:G05QJ-1-ADL :E4L090217-1DCS Exp:NDMAVOA
75.0002 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,131584.0,1.00%,F,T)



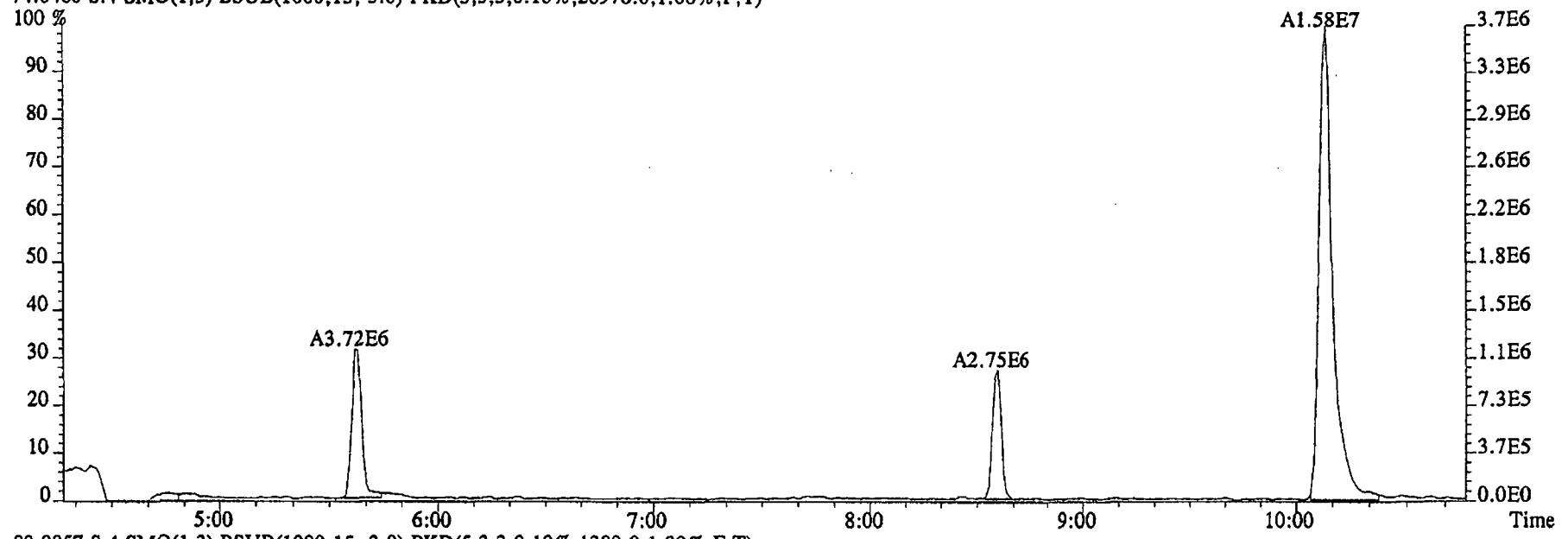
76.9972 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12900.0,1.00%,F,T)



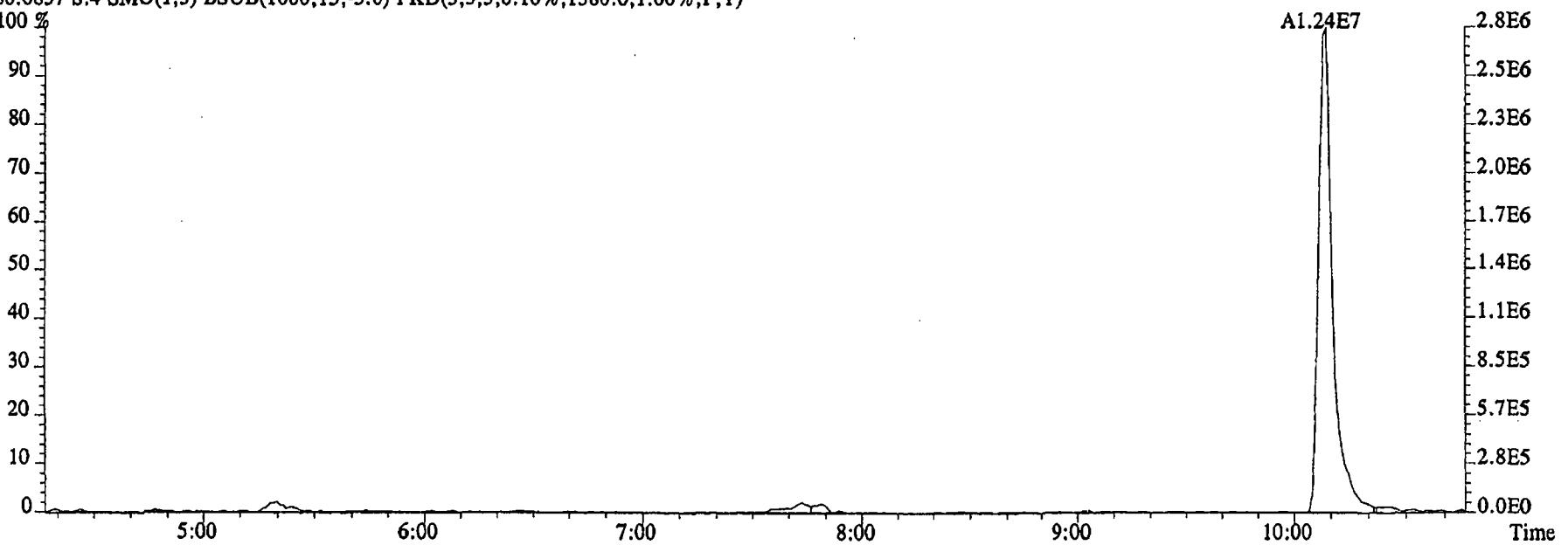
79.0253 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12476.0,1.00%,F,T)



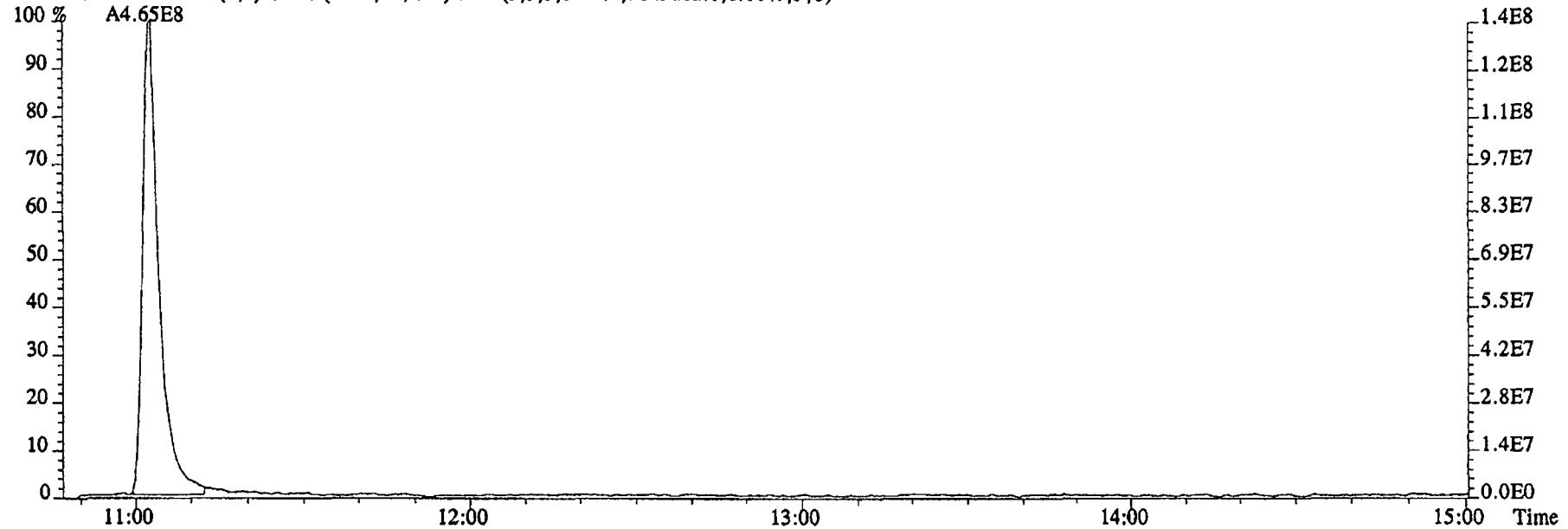
File:20DE045SP #1-480 Acq:20-DEC-2004 16:49:51 GC EI+ Voltage SIR 70SE
Sample#4 Tex:t:G05QJ-1-ADL :E4L090217-1DCS Exp:NDMAVOA
74.0480 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28976.0,1.00%,F,T)



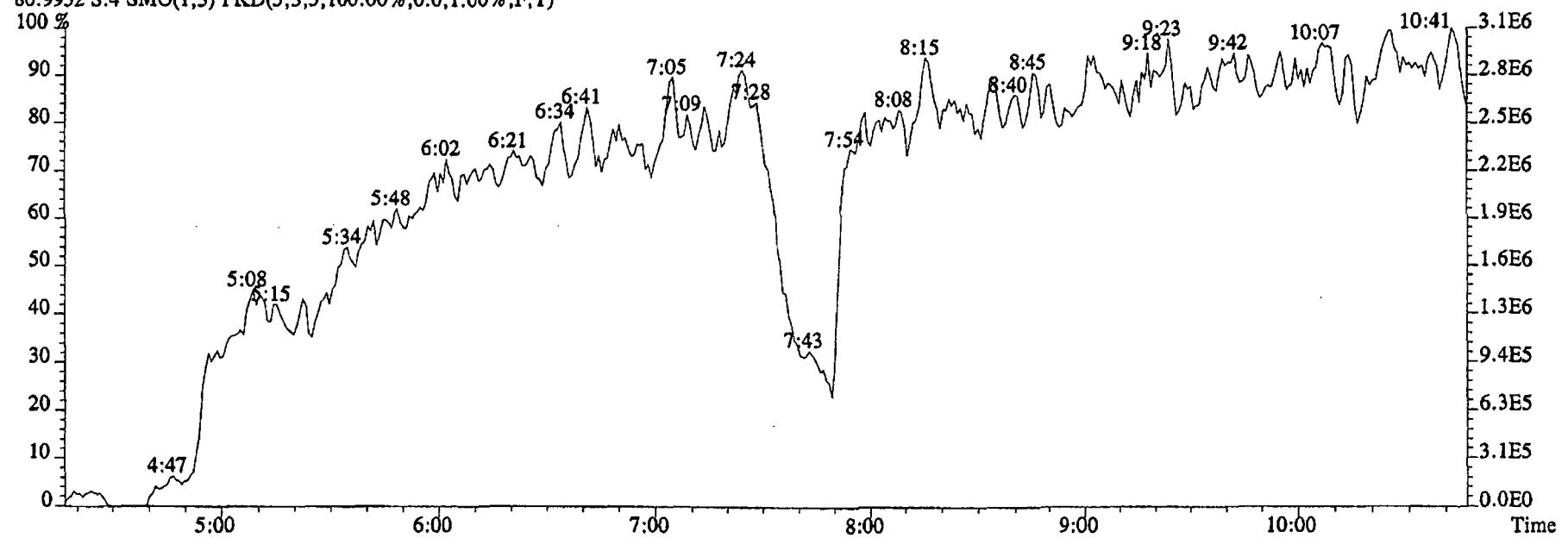
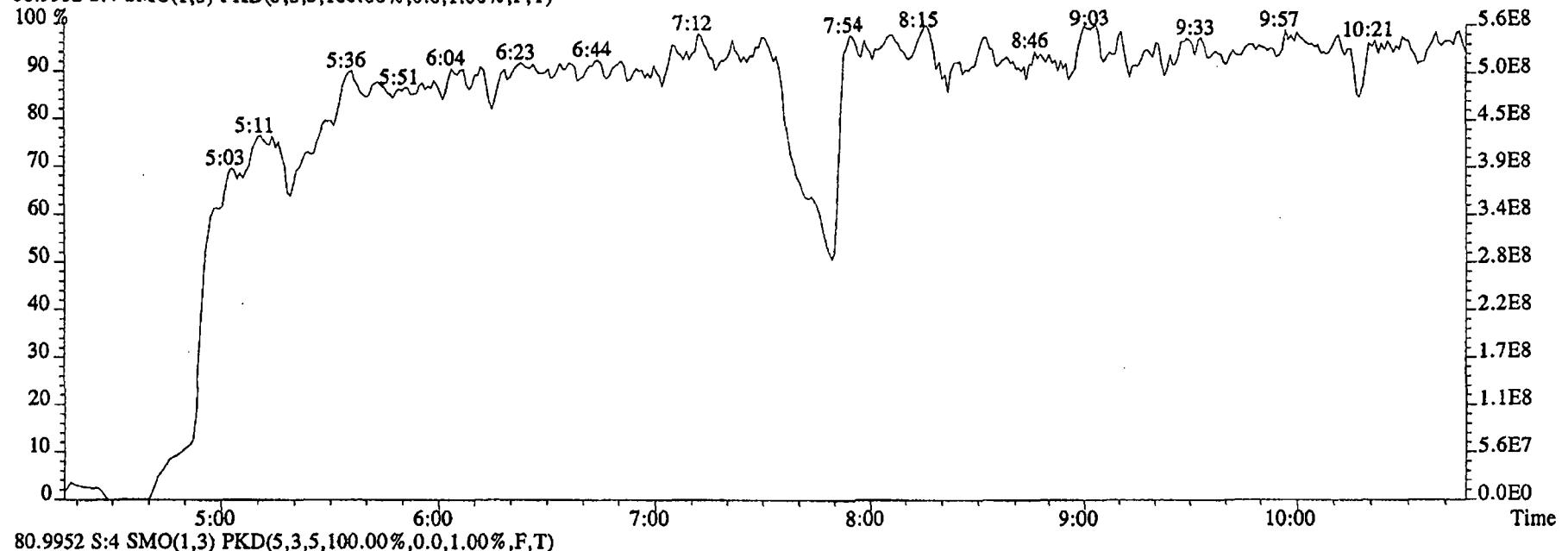
80.0857 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1380.0,1.00%,F,T)



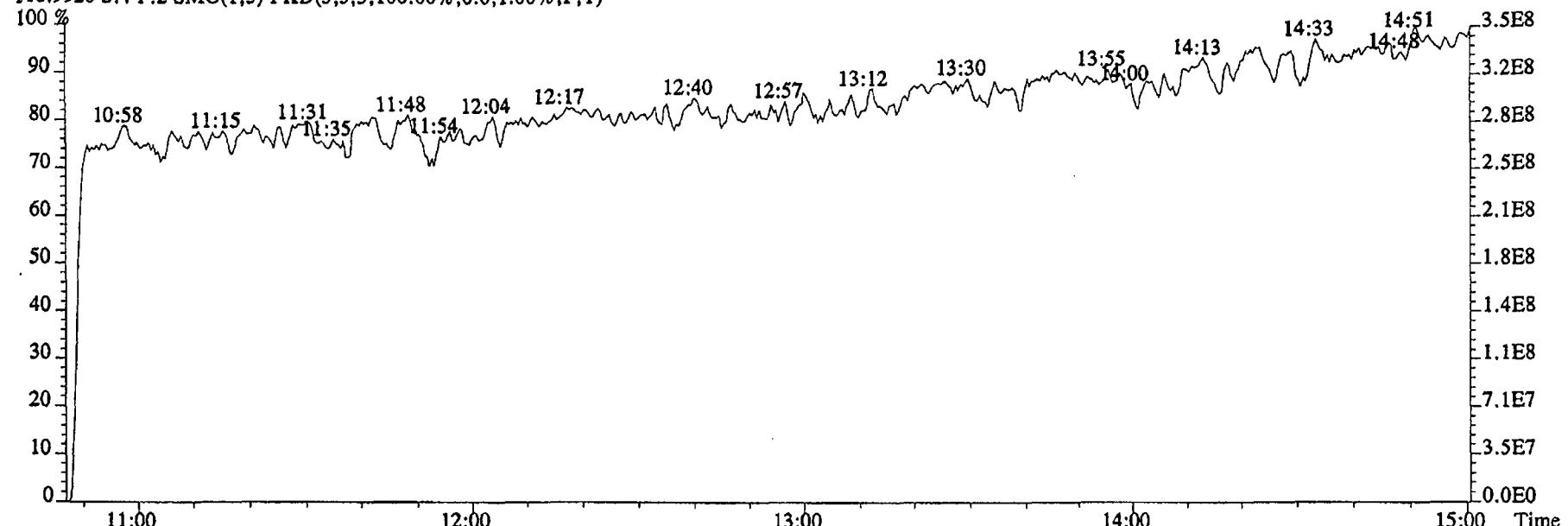
File:20DE045SP #1-591 Acq:20-DEC-2004 16:49:51 GC EI+ Voltage SIR 70SE
Sample#4 Text:G05QJ-1-ADL :E4L090217-1DCS Exp:NDMAVOA
113.0032 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1129212.0,1.00%,F,T)



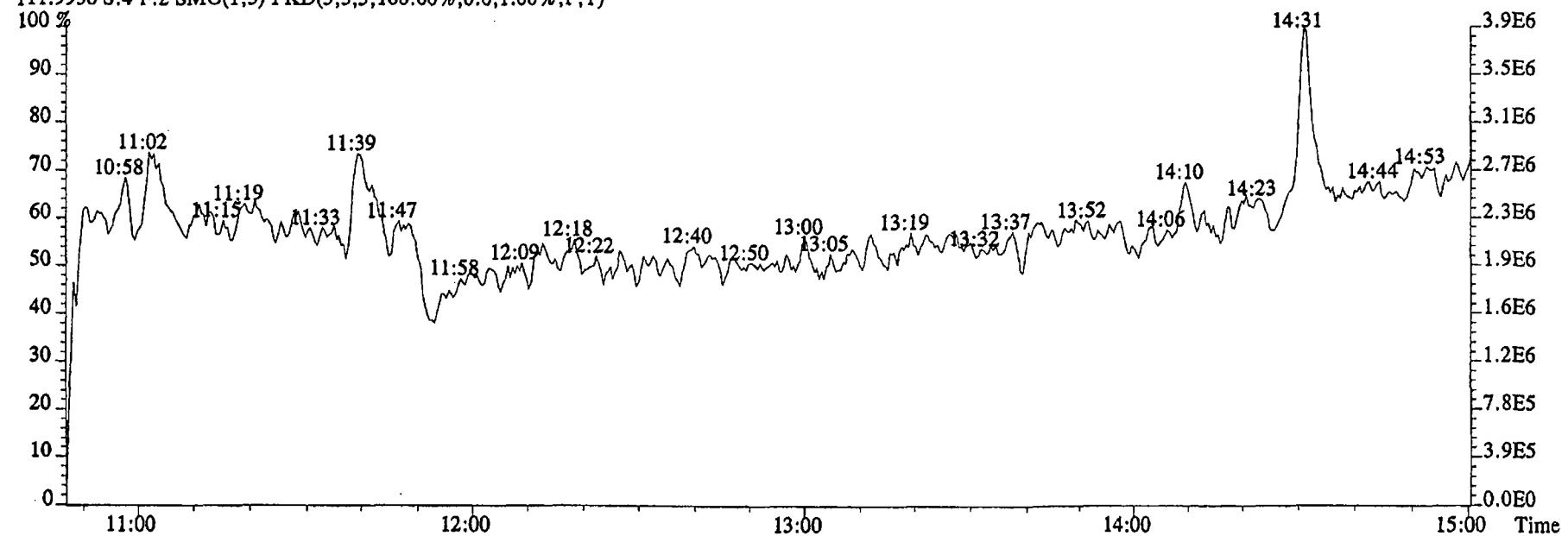
File:20DE045SP #1-480 Acq:20-DEC-2004 16:49:51 GC EI+ Voltage SIR 70SE
 Sample#4 Text:G05QJ-1-ADL :E4L090217-1DCS Exp:NDMAVOA
 68.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:20DE045SP #1-591 Acq:20-DEC-2004 16:49:51 GC EI+ Voltage SIR 70SE
Sample#4 Text:G05QJ-1-ADL :E4L090217-1DCS Exp:NDMAVOA
118.9920 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0R1N-1-AC Sample text: G0R1N-1-AC :G4L100385-1

Run #40 Filename: 16DE045SP S: 44 I: 1 Results: KAS

Acquired: 17-DEC-04 09:10:54

Processed: 17-DEC-04 13:48:42

Run: KAS

Analyte: 1625

Cal: 16251216045SP

Factor 1: 1.000

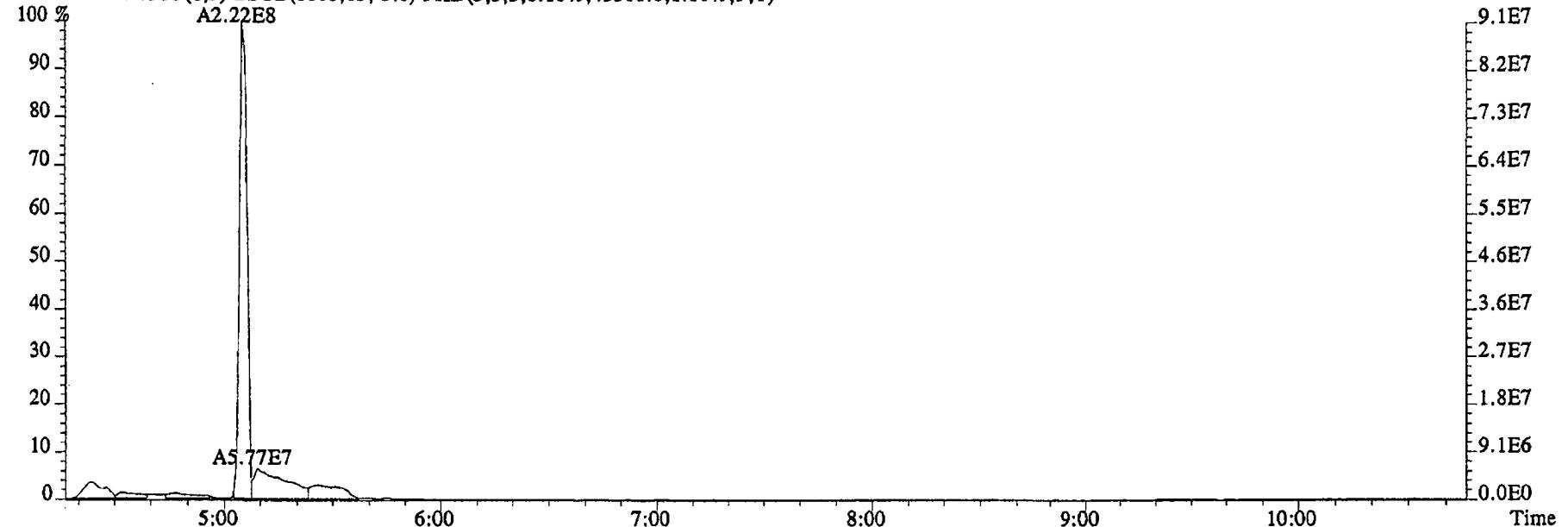
Factor 2: 1.000

Sample size: 0.947 L

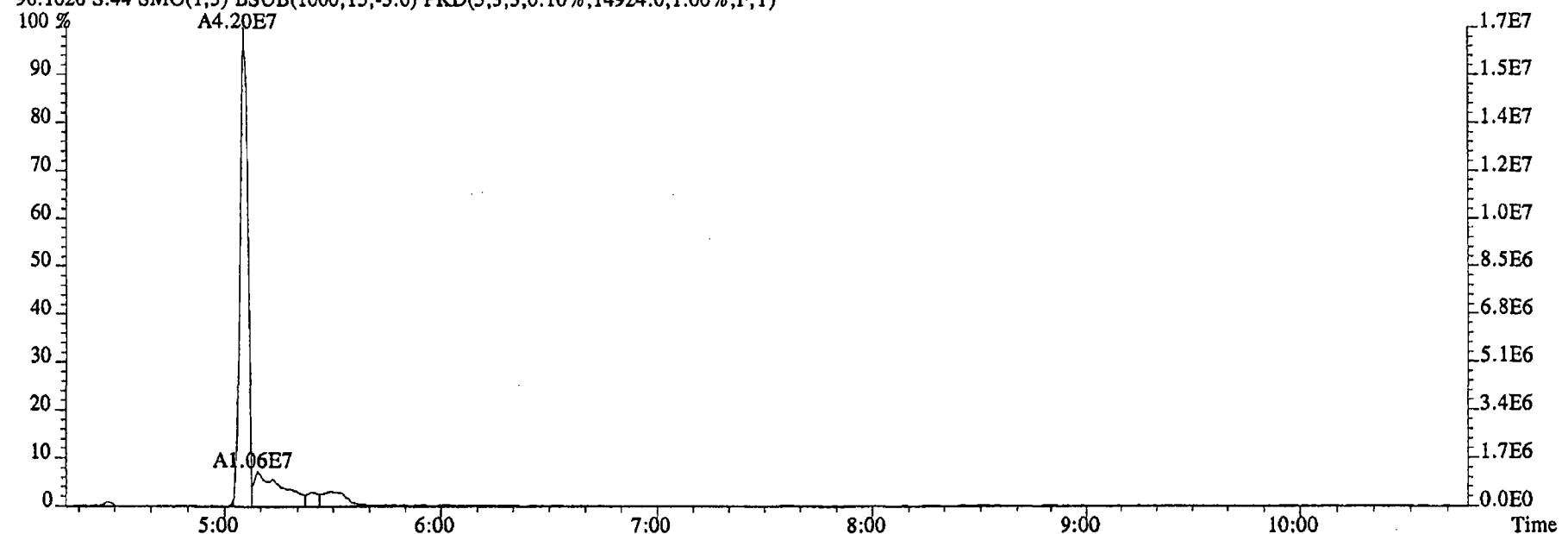
Name	Resp	RA	RT	RRF	Conc	μ	EDL	Rec	M
2-Chloropyridine	107465000		11:04	-	231.40		-	-	n
D8-1,4-Dioxane	42011700		5:05	0.66	125.97		0.47	11.9	n
1,4-Dioxane	222235000		5:05	1.05	5297.61		7.66	-	n
D5-123-TriChloroPropane	86198800		9:59	2.35	72.05		0.12	68.2	n
1,2,3-TriChloroPropane	1175910		10:02	0.48	2.99	26.0	1.34	-	n
1,2,3-TriChloroPropane	3368090		10:03	-	2.18		-	-	n
D6-NDMA	16556800		10:10	1.48	21.97		0.08	20.8	*
NDMA	*		Not Fnd	1.37	*	2.0	5.20	0.31	-
2-Chloropyridine	333419000		11:04	-	224.65		-	-	n

12-30-04
o

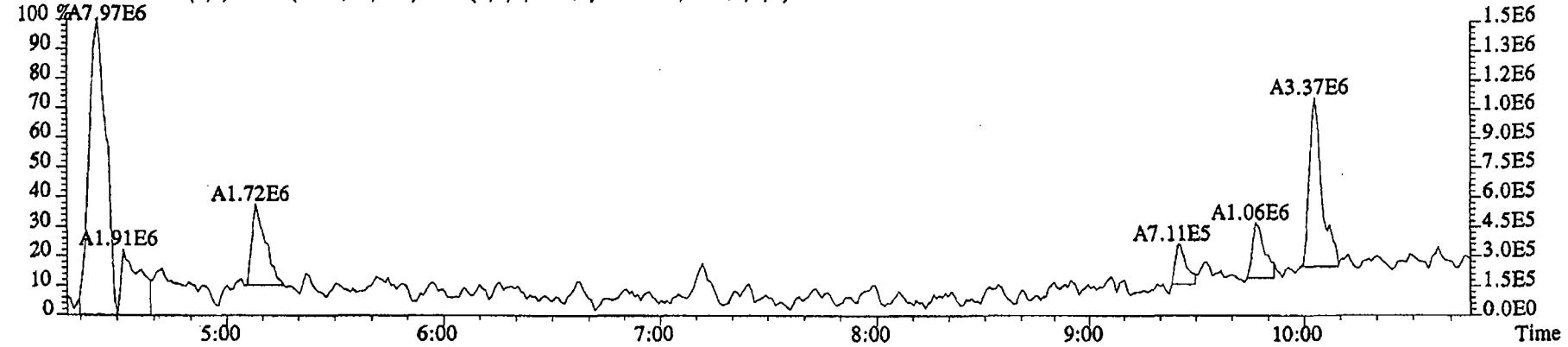
File:16DE045SP #1-480 Acq:17-DEC-2004 09:10:54 GC EI+ Voltage SIR 70SE
Sample#44 Text:G0R1N-1-AC :G4L100385-1 Exp:NDMAVOA
88.0524 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,43500.0,1.00%,F,T)



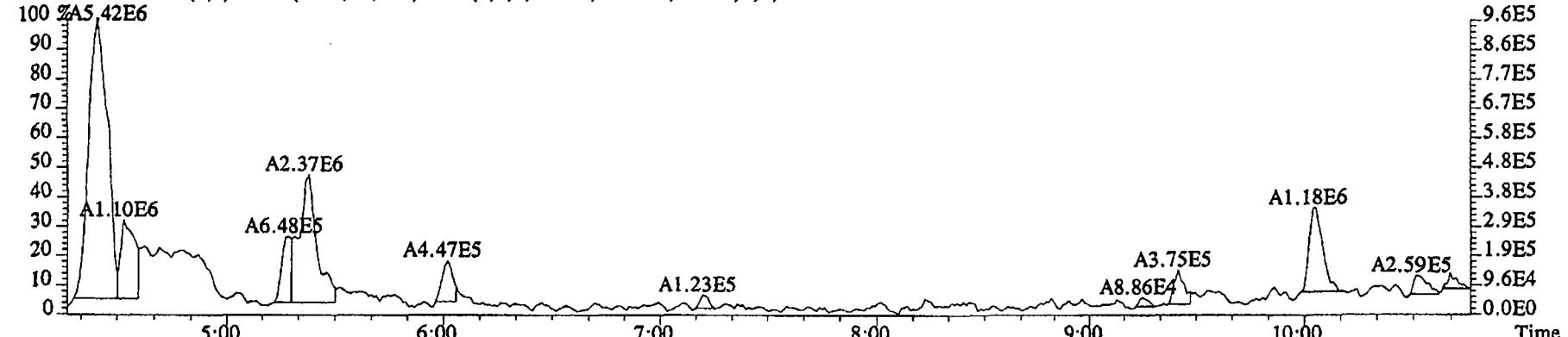
96.1026 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14924.0,1.00%,F,T)



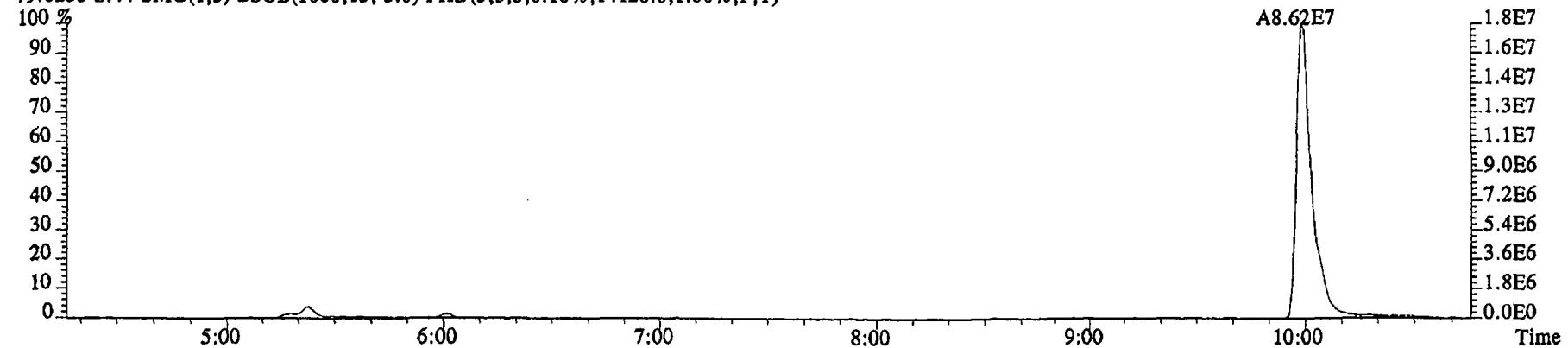
File:16DE045SP #1-480 Acq:17-DEC-2004 09:10:54 GC EI+ Voltage SIR 70SE
 Sample#44 Text:G0R1N-1-AC :G4L100385-1 Exp:NDMAVOA
 75.0002 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,150592.0,1.00%,F,T)



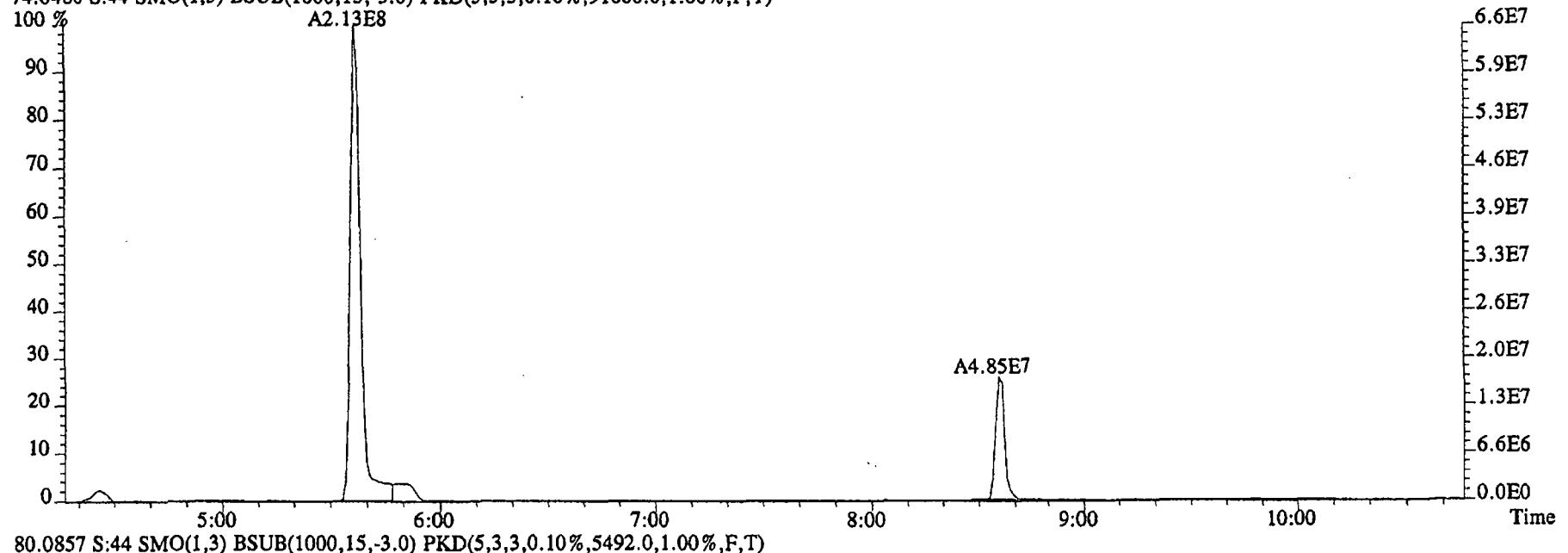
76.9972 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36704.0,1.00%,F,T)



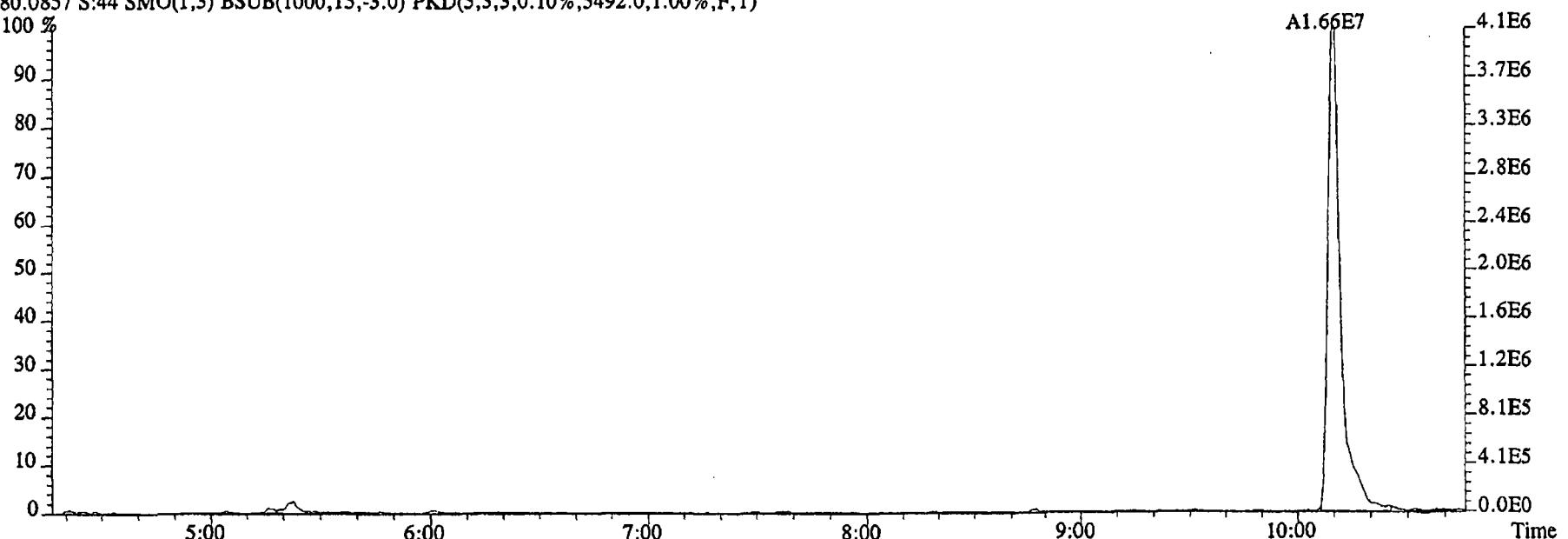
79.0253 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14128.0,1.00%,F,T)



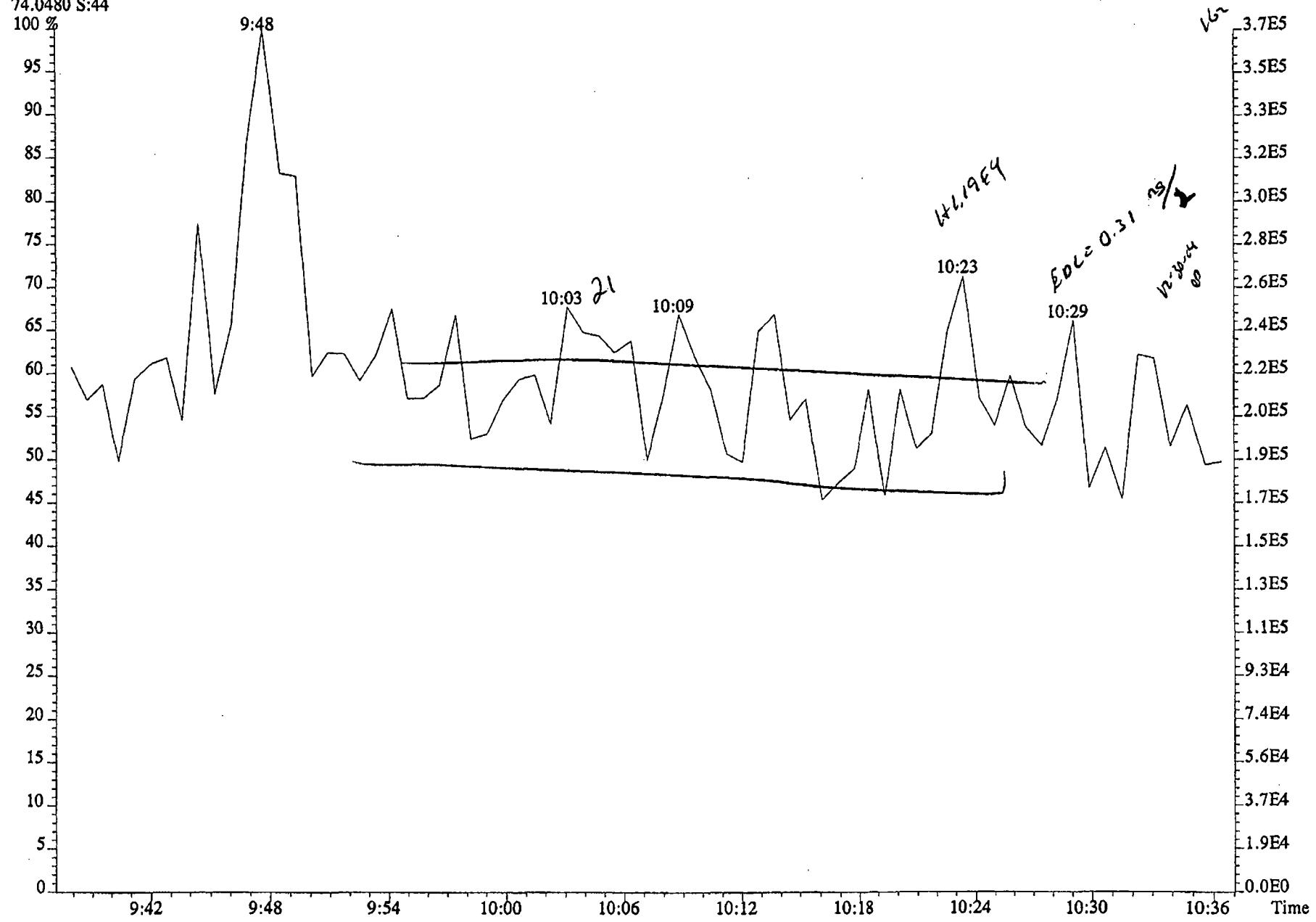
File:16DE045SP #1-480 Acq:17-DEC-2004 09:10:54 GC El+ Voltage SIR 70SE
Sample#44 Text:G0R1N-1-AC :G4L100385-1 Exp:NDMAVOA
74.0480 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,91660.0,1.00%,F,T)



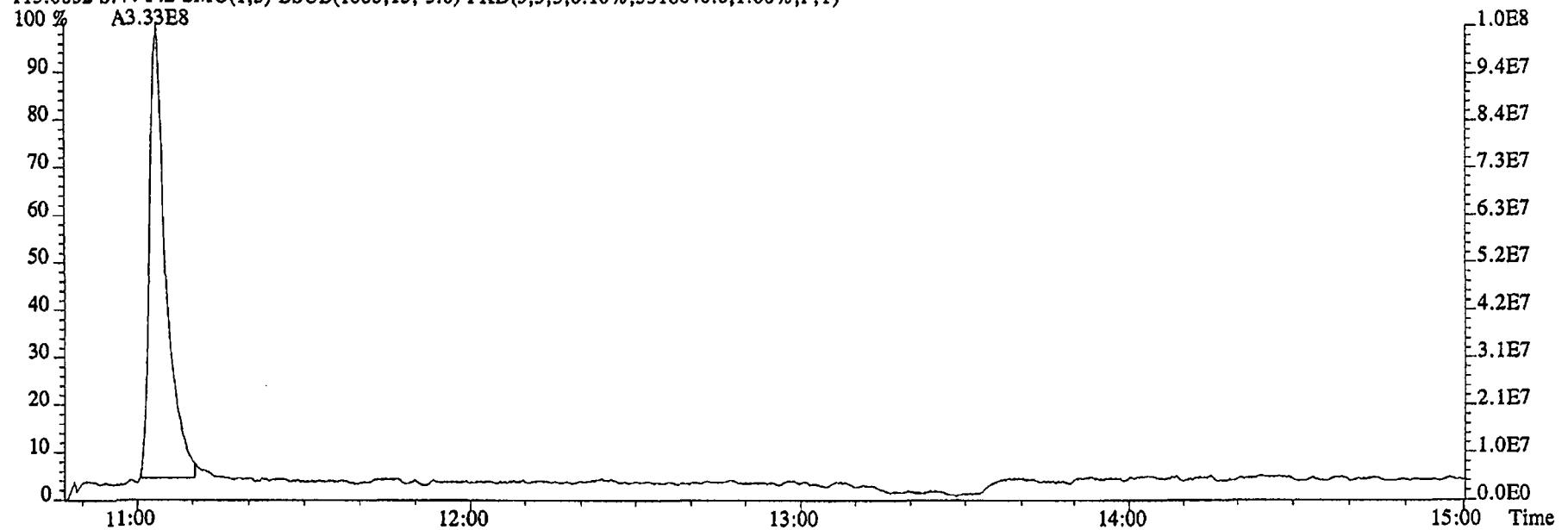
80.0857 S:44 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5492.0,1.00%,F,T)



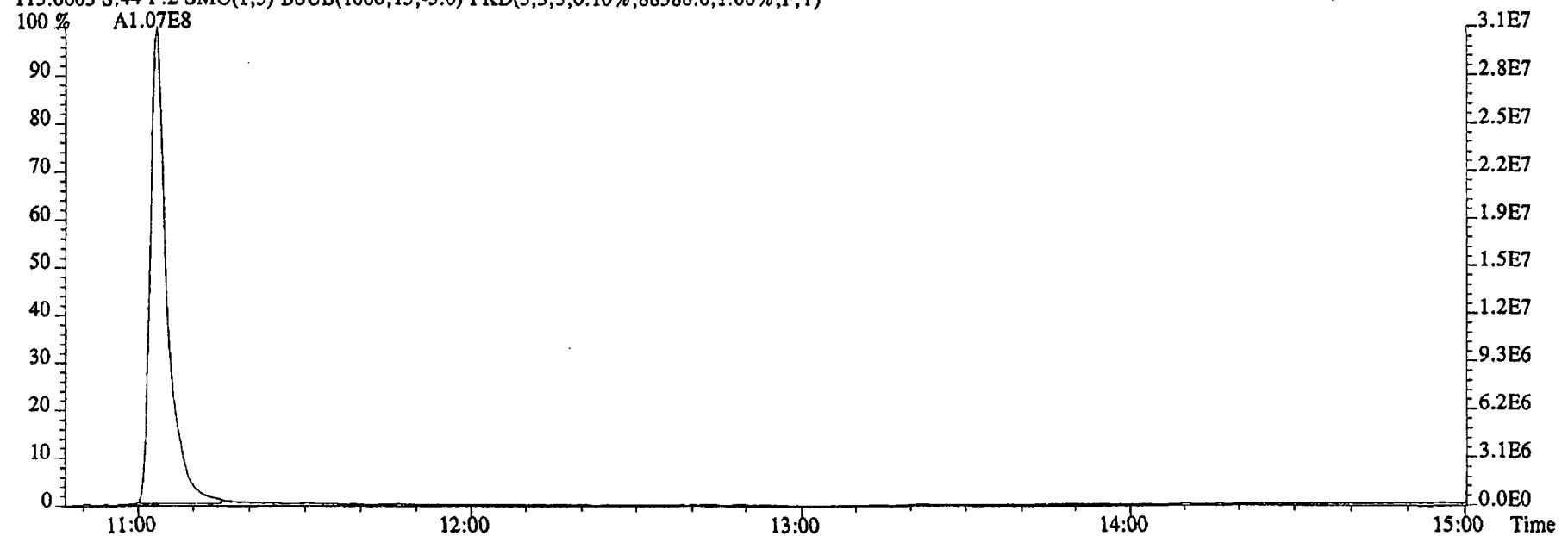
File:16DE045SP #1-480 Acq:17-DEC-2004 09:10:54 GC EI+ Voltage SIR 70SE
 Sample#44 Text:G0R1N-1-AC :G4L100385-1 Exp:NDMAVOA
 74.0480 S:44



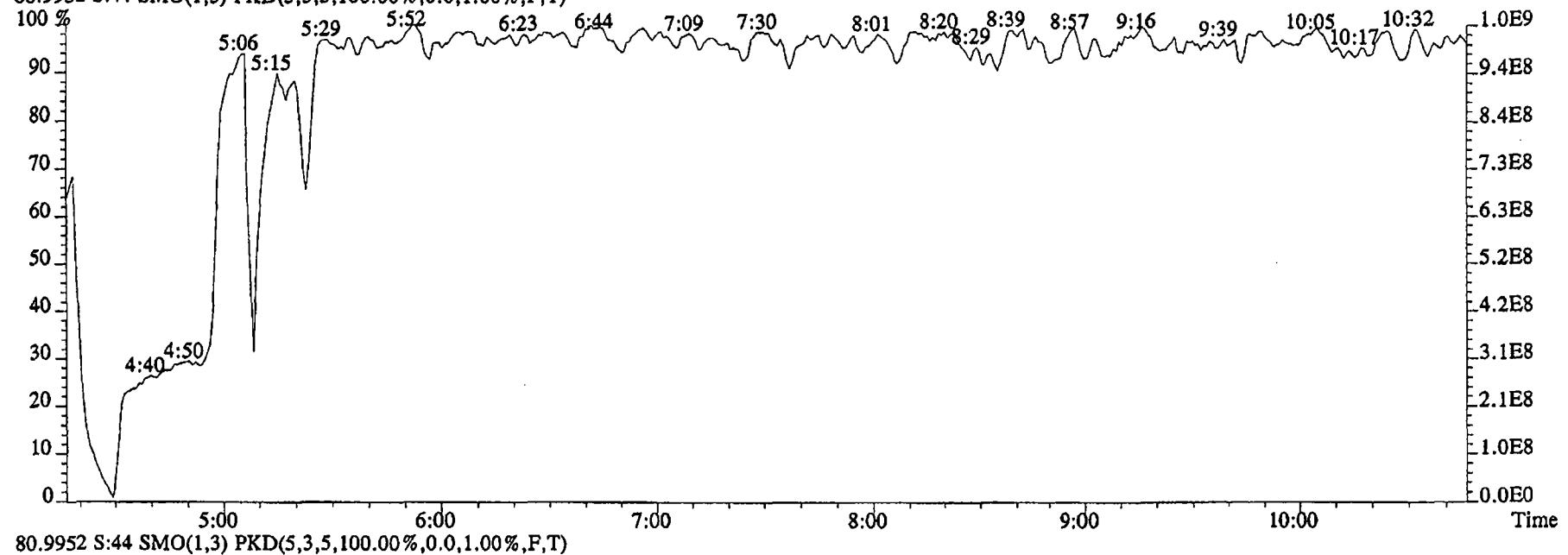
File:16DE045SP #1-591 Acq:17-DEC-2004 09:10:54 GC EI+ Voltage SIR 70SE
Sample#44 Text:GOR1N-1-AC :G4L100385-1 Exp:NDMAVOA
113.0032 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(S,3,3,0.10%,5318640.0,1.00%,F,T)



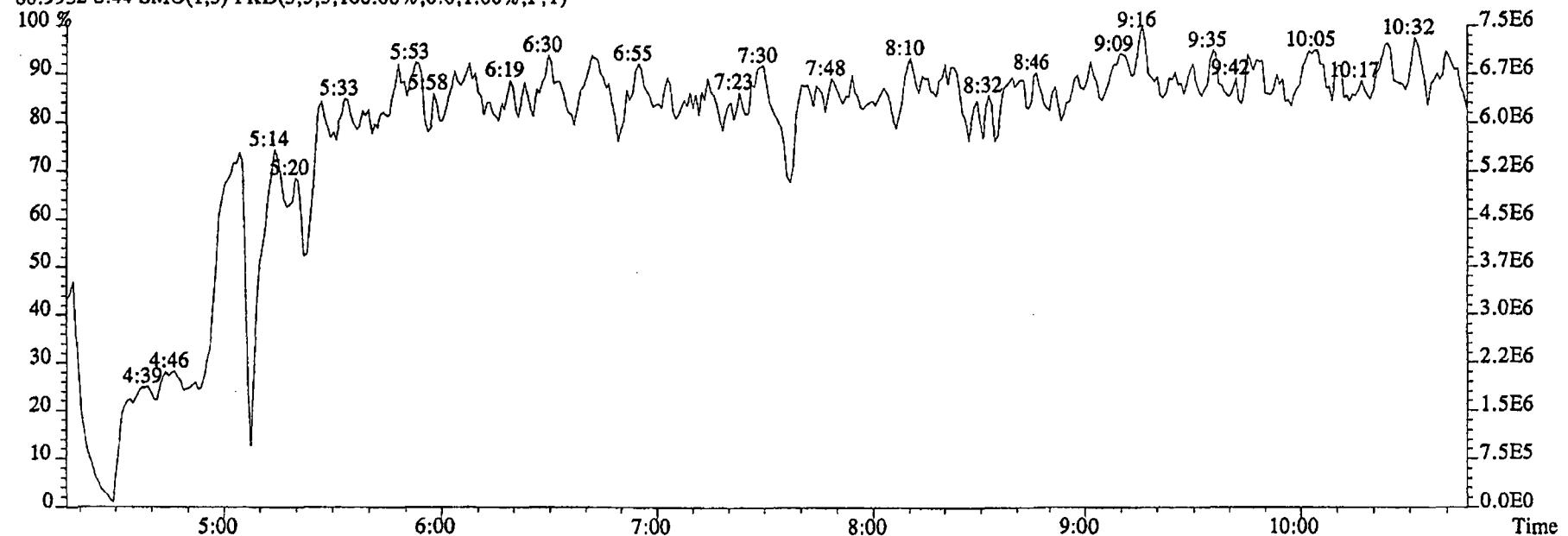
115.0003 S:44 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(S,3,3,0.10%,88588.0,1.00%,F,T)



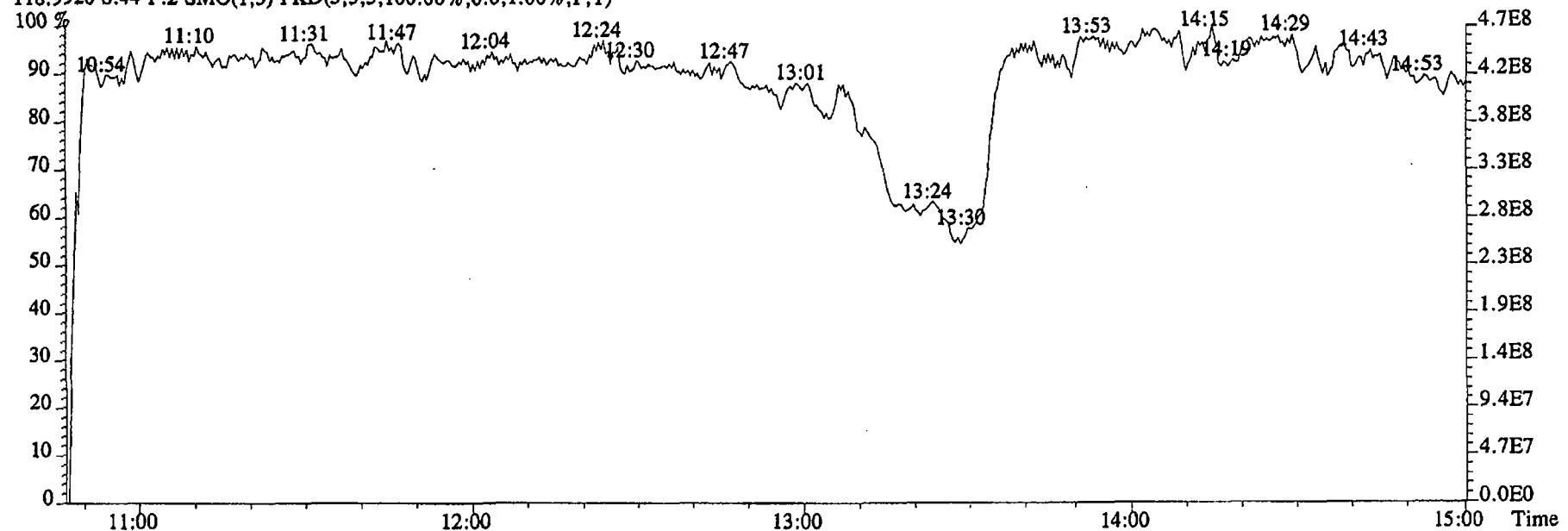
File:16DE045SP #1-480 Acq:17-DEC-2004 09:10:54 GC EI+ Voltage SIR 70SE
Sample#44 Text:G0R1N-1-AC :G4L100385-1 Exp:NDMAVOA
68.9952 S:44 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



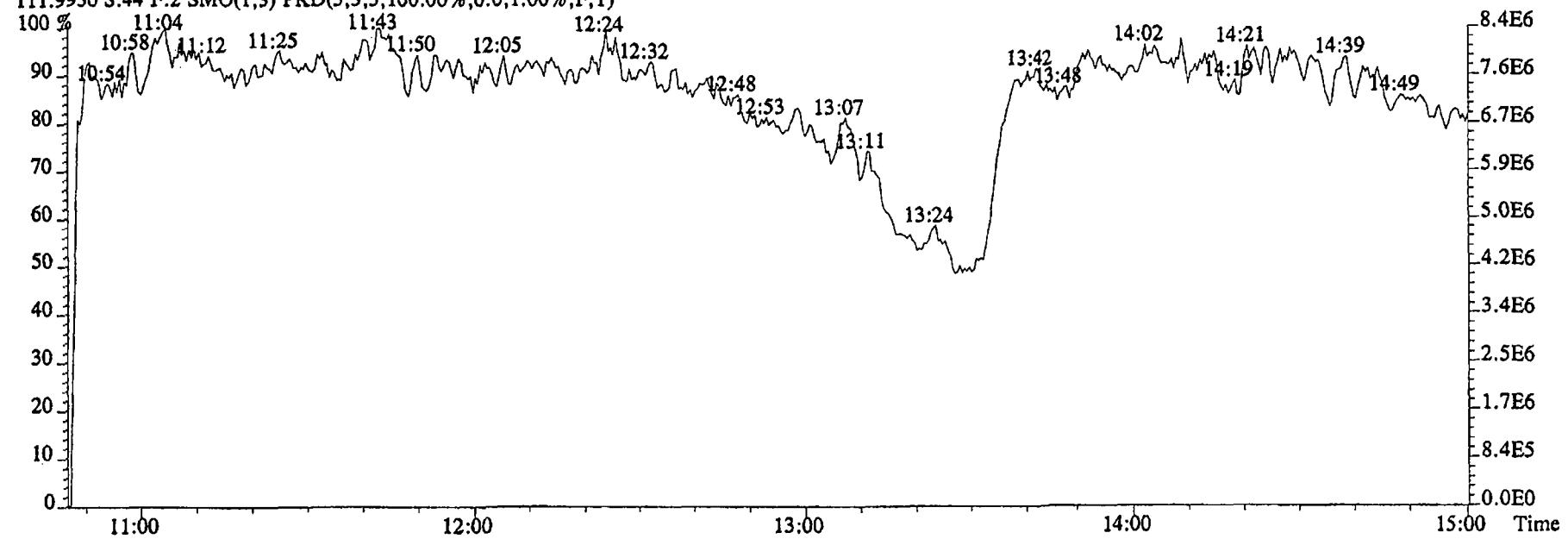
80.9952 S:44 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 09:10:54 GC EI+ Voltage SIR 70SE
 Sample#44 Text:GOR1N-1-AC :G4L100385-1 Exp:NDMAVOA
 118.9920 S:44 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:44 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0R1W-1-AC Sample text: G0R1W-1-AC :G4L100385-2

Run #41 Filename: 16DE045SP S: 45 I: 1 Results: KAS

Acquired: 17-DEC-04 09:31:07

Processed: 17-DEC-04 13:48:43

Run: KAS

Analyte: 1625

Cal: 16251216045SP

Factor 1: 1.000

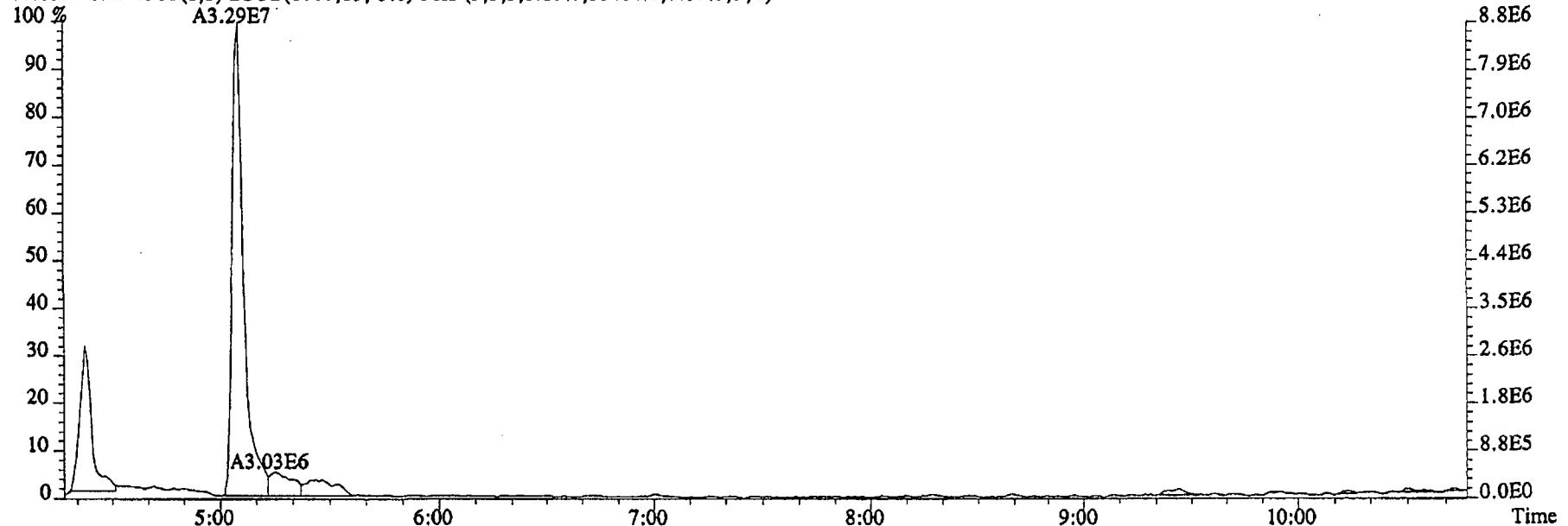
Factor 2: 1.000

Sample size: 0.990 L

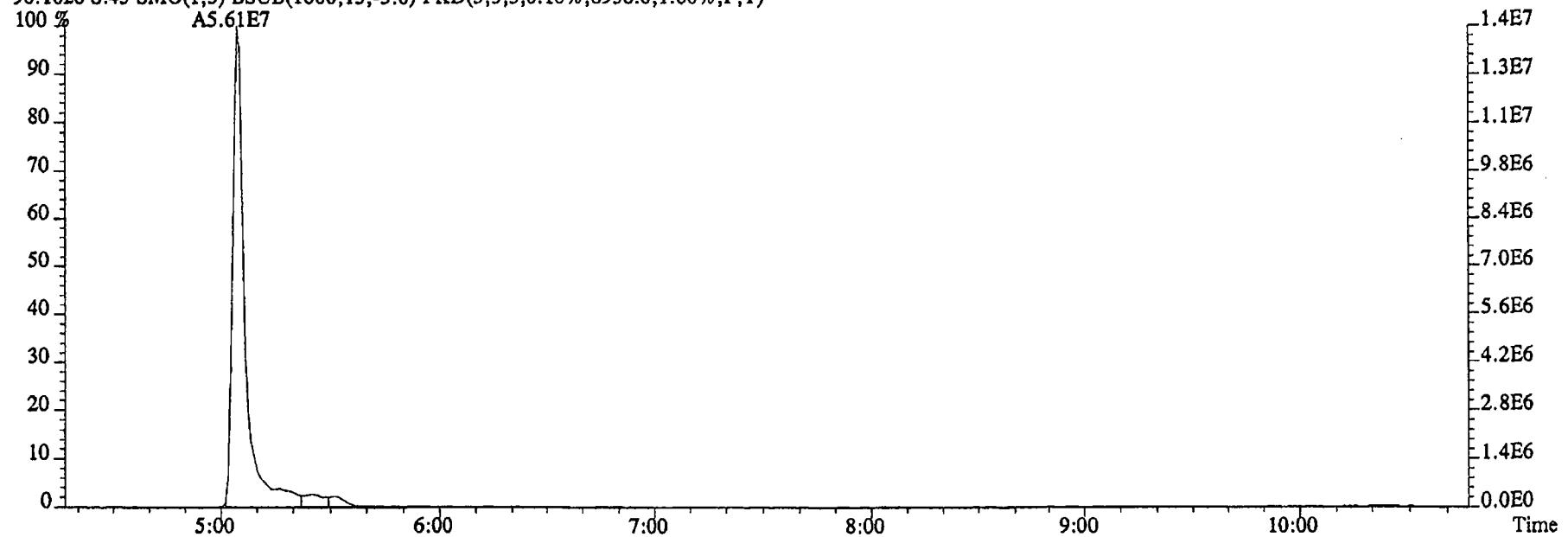
Name	Resp	RA	RT	RRF	Conc	RA	EDL	Rec	M
2-Chloropyridine	114426000		11:03	-	235.69		-	-	n
D8-1,4-Dioxane	56067400		5:04	0.66	151.03		0.25	15.0	n
1,4-Dioxane	32860000		5:05	1.05	561.45		10.98	-	n
D5-123-TriChloroPropane	65714600		9:59	2.35	49.35		0.07	48.9	n
1,2,3-TriChloroPropane	*		Not Fnd	0.48	*	LS-0	1.18	-	n
1,2,3-TriChloroPropane	*		Not Fnd	-	*		-	-	n
D6-NDMA	16312600		10:10	1.48	19.44		0.07	19.3	n
NDMA	*		Not Fnd	1.37	*	LS-0	3.87 1.41	-	n
2-Chloropyridine	355257000		11:03	-	228.96		-	-	n

12-35-A
0

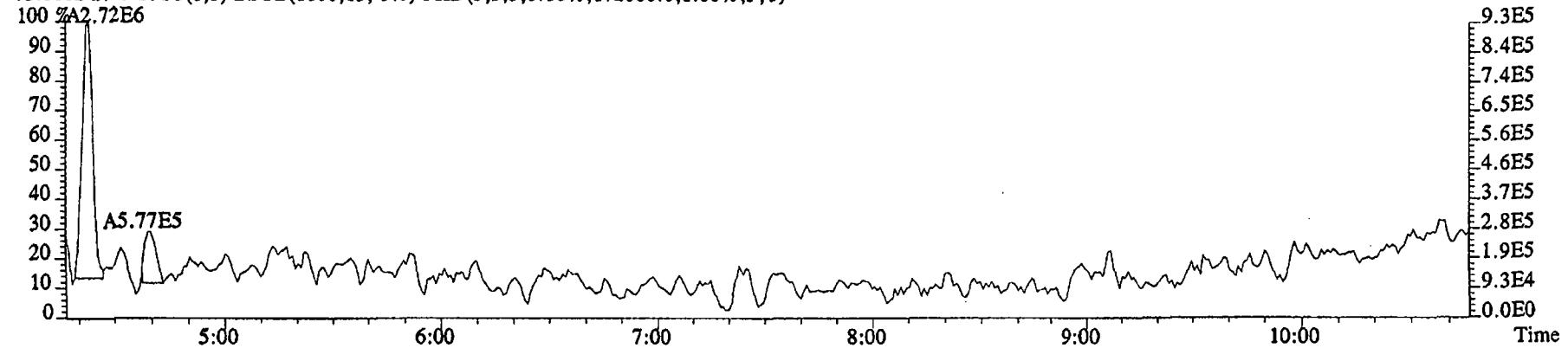
File:16DE045SP #1-480 Acq:17-DEC-2004 09:31:07 GC EI+ Voltage SIR 70SE
Sample#45 Text:GOR1W-1-AC :G4L100385-2 Exp:NDMAVOA
88.0524 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,53464.0,1.00%,F,T)



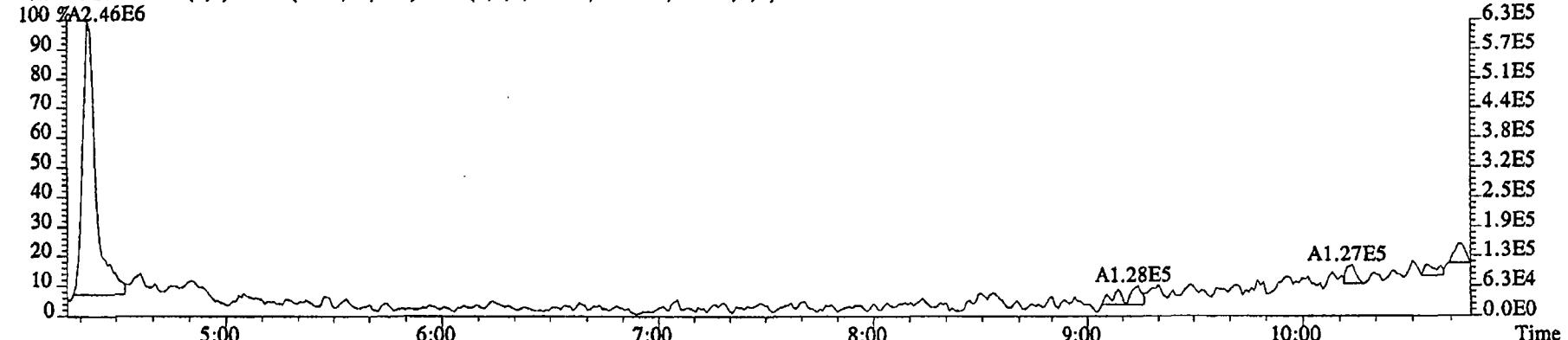
96.1026 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8936.0,1.00%,F,T)



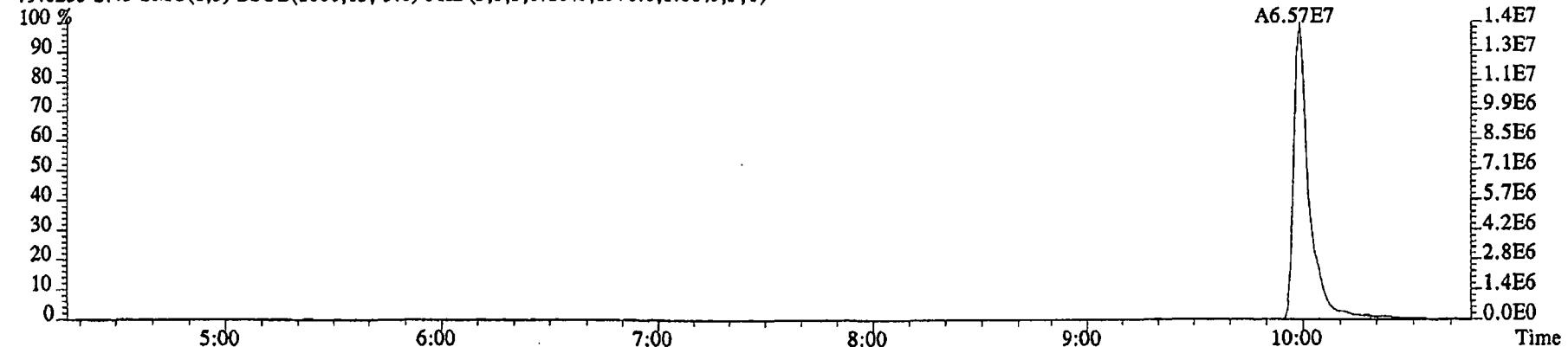
File:16DE045SP #1-480 Acq:17-DEC-2004 09:31:07 GC EI + Voltage SIR 70SE
 Sample#45 Text:G0R1W-1-AC :G4L100385-2 Exp:NDMAVOA
 75.0002 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,172860.0,1.00%,F,T)



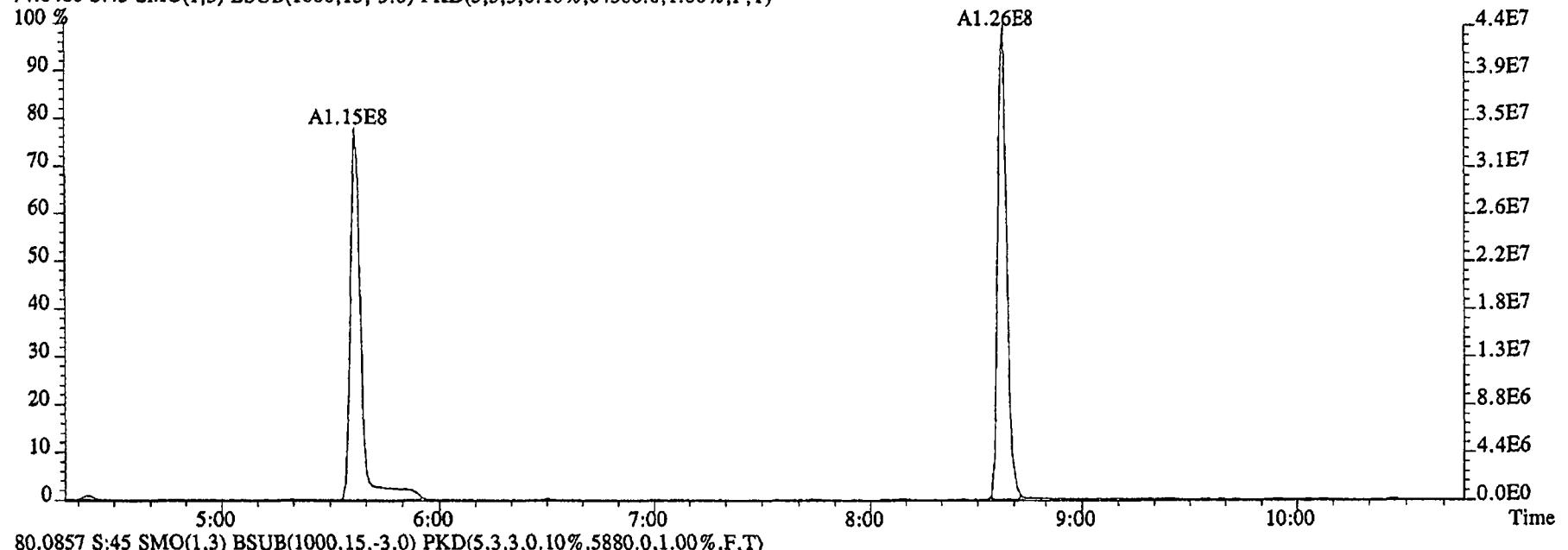
76.9972 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26452.0,1.00%,F,T)



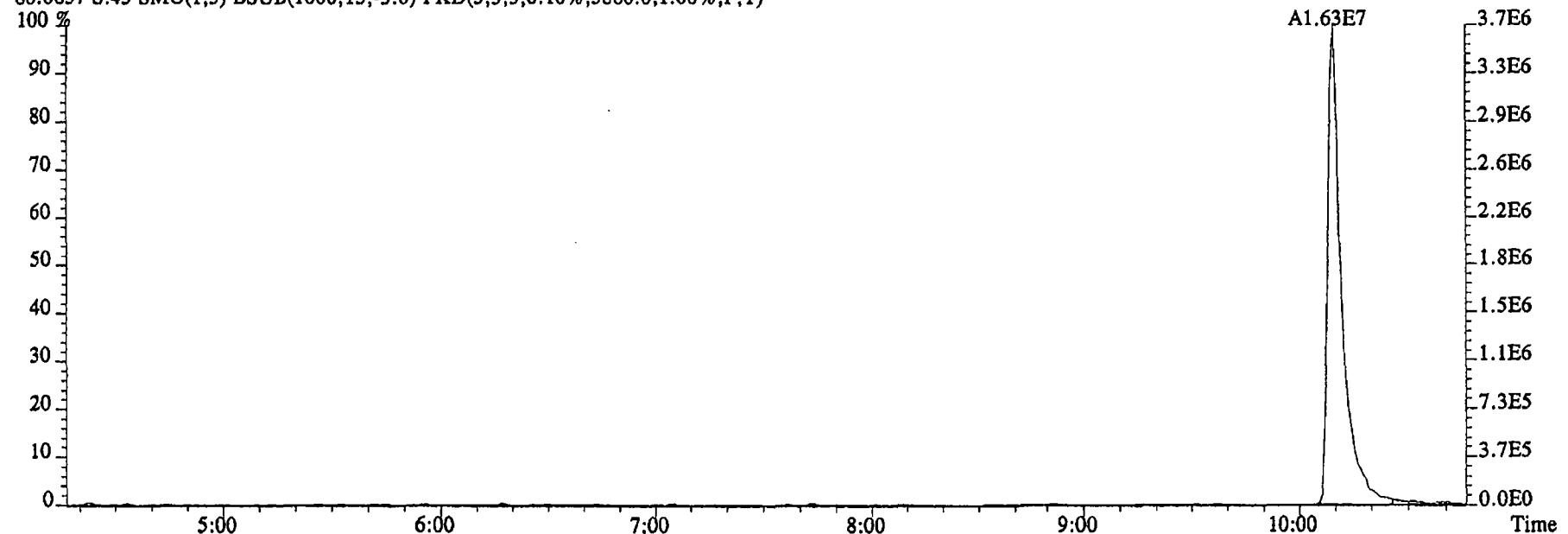
79.0253 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8976.0,1.00%,F,T)



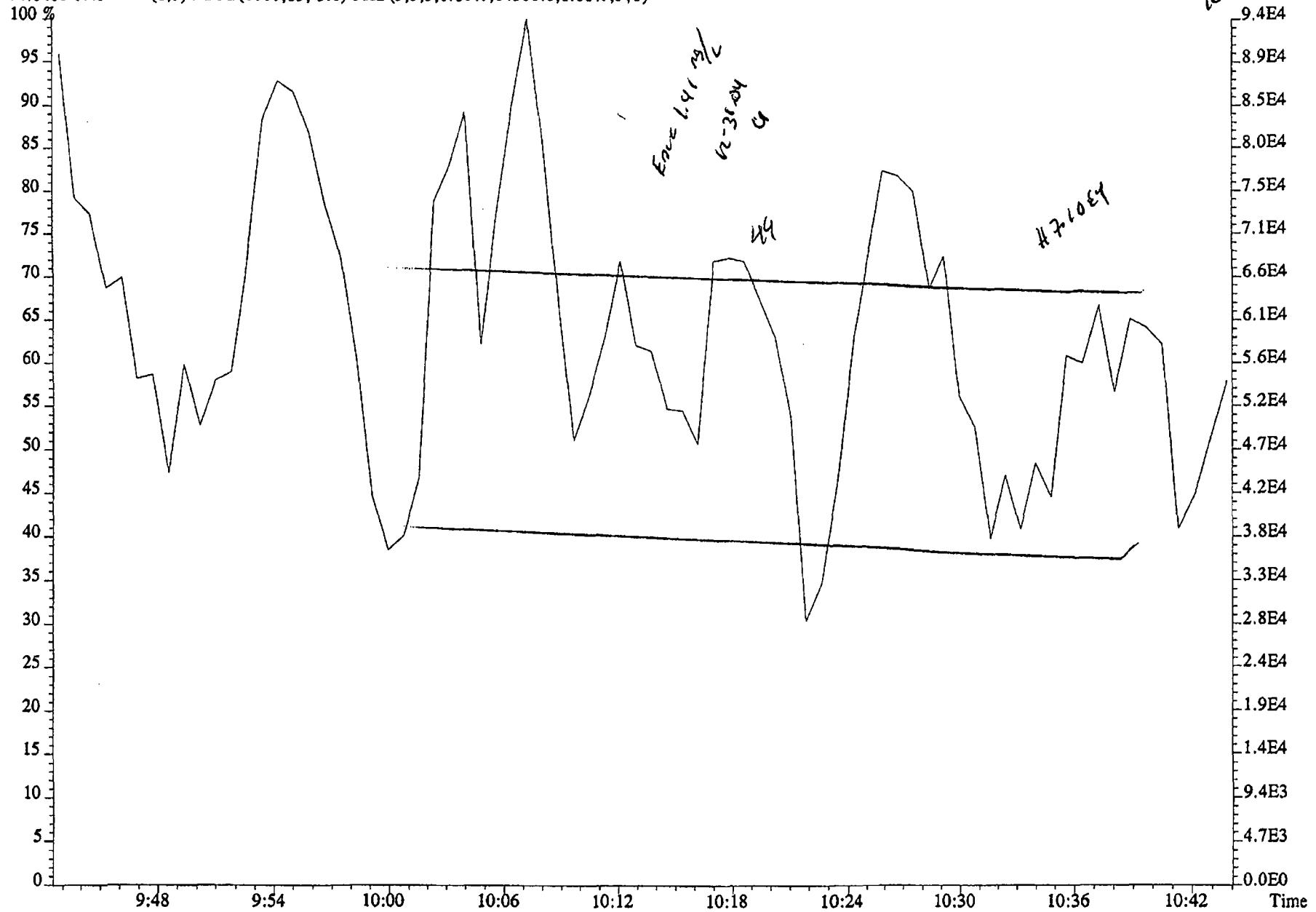
File:16DE045SP #1-480 Acq:17-DEC-2004 09:31:07 GC EI+ Voltage SIR 70SE
Sample#45 Text:G0R1W-1-AC :G4L100385-2 Exp:NDMAVOA
74.0480 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64300.0,1.00%,F,T)



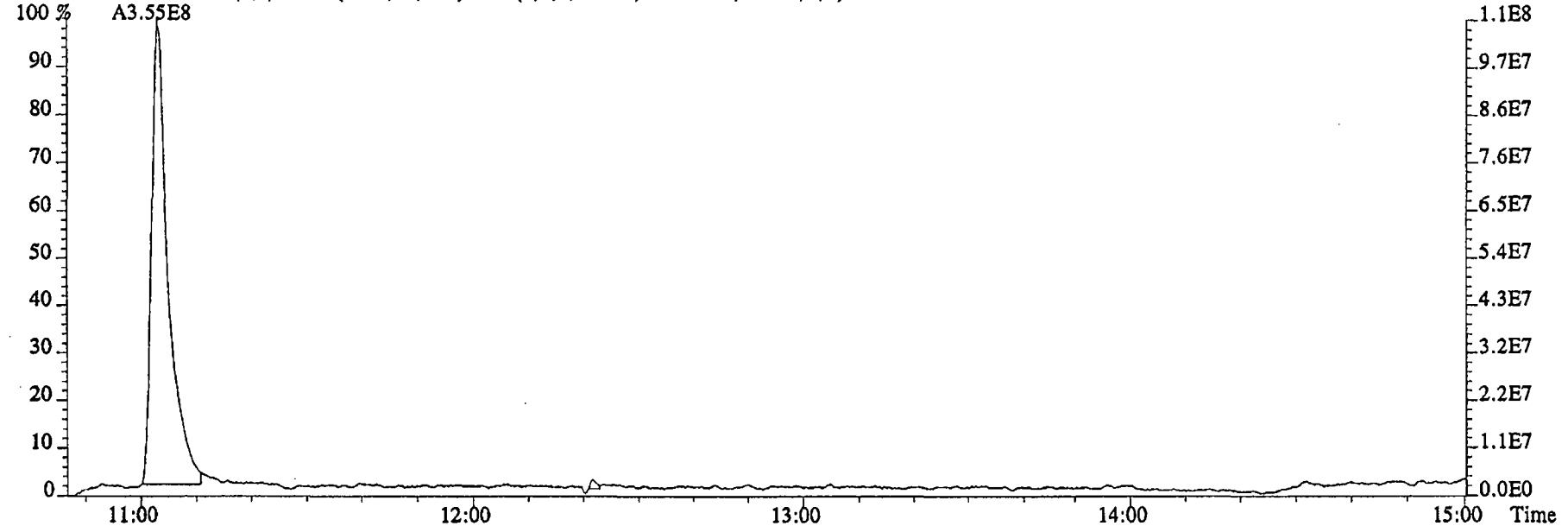
80.0857 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5880.0,1.00%,F,T)



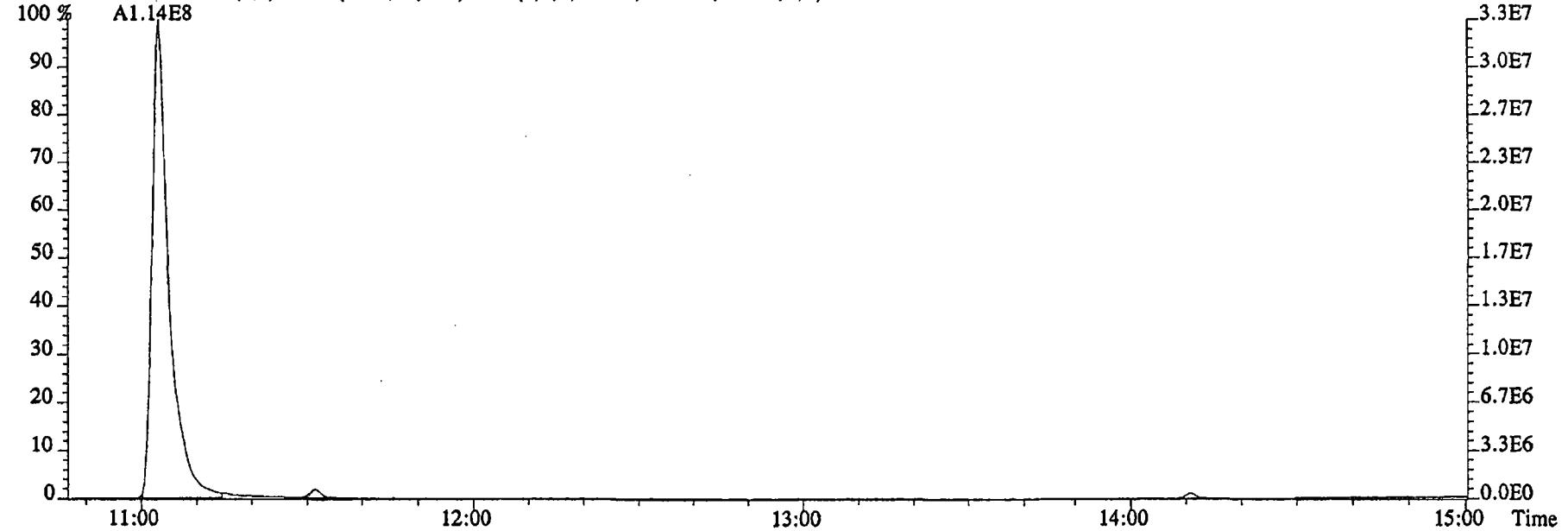
File:16DE045SP #1-480 Acq:17-DEC-2004 09:31:07 GC EI+ Voltage SIR 70SE
 Sample#45 Text:G0R1W-1-AC :G4L100385-2 Exp:NDMAVOA
 74.0480 S:45 SMO(1,3) BSUB(1000,15,-3.0) PKD(S,3,3,0.10%,64300.0,1.00%,F,T)



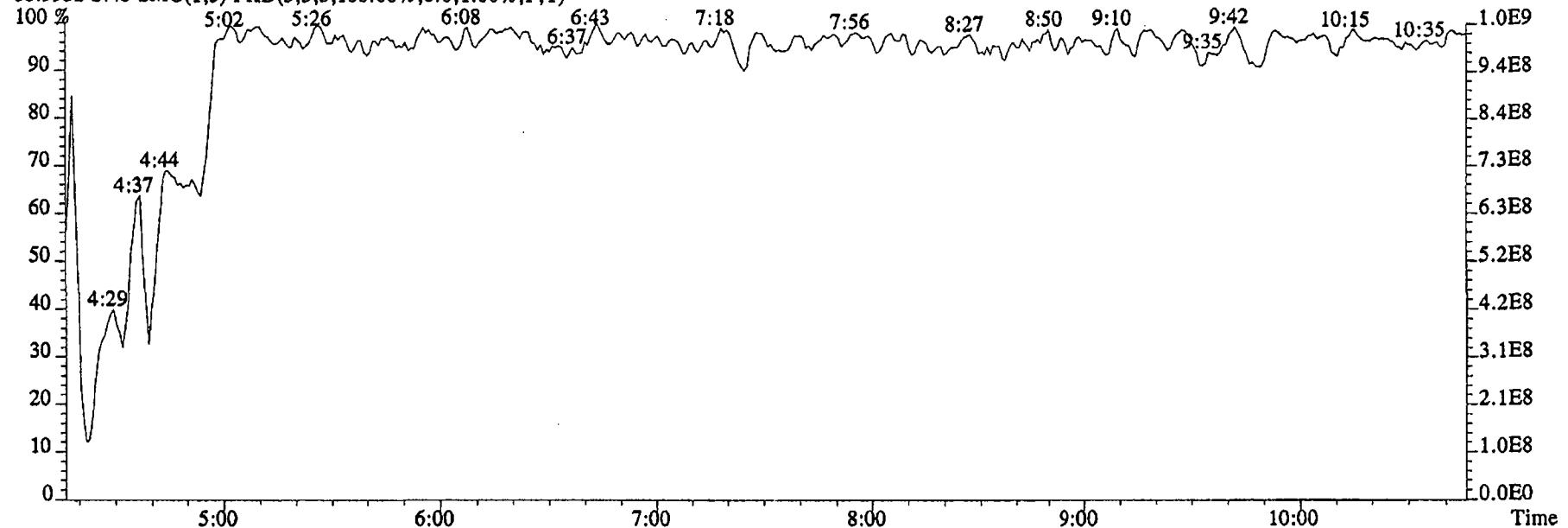
File:16DE045SP #1-591 Acq:17-DEC-2004 09:31:07 GC EI + Voltage SIR 70SE
Sample#45 Text:GOR1W-1-AC :G4L100385-2 Exp:NDMAVOA
113.0032 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2694320.0,1.00%,F,T)



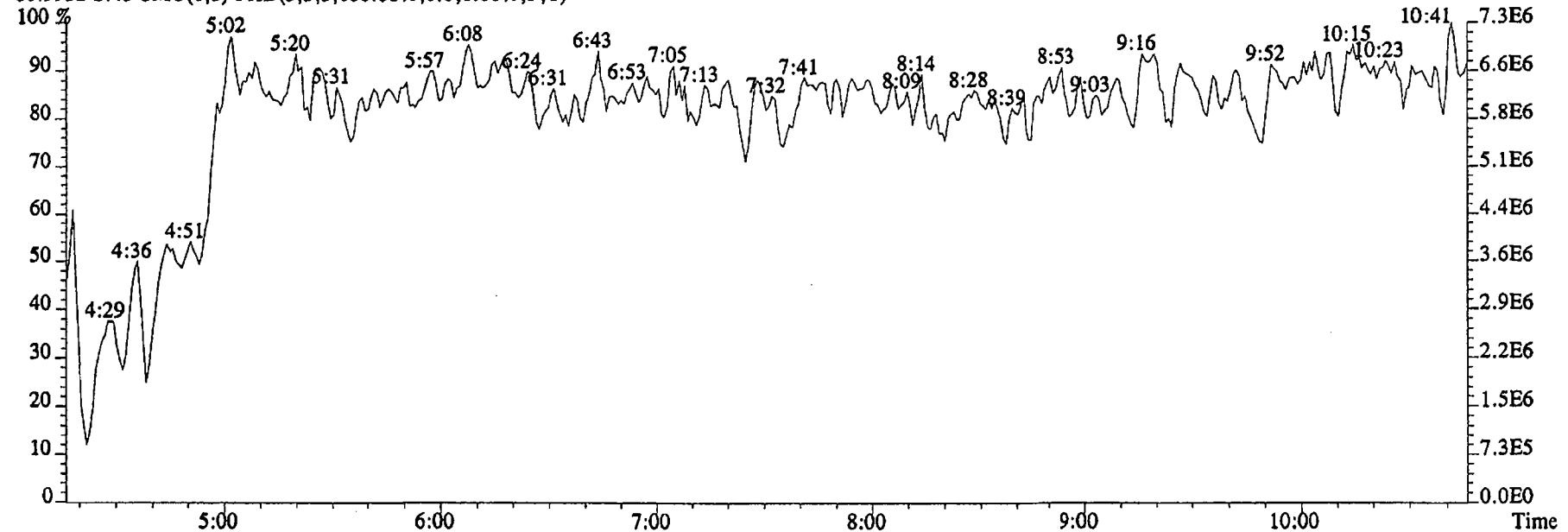
115.0003 S:45 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50892.0,1.00%,F,T)
100 % A1.14E8



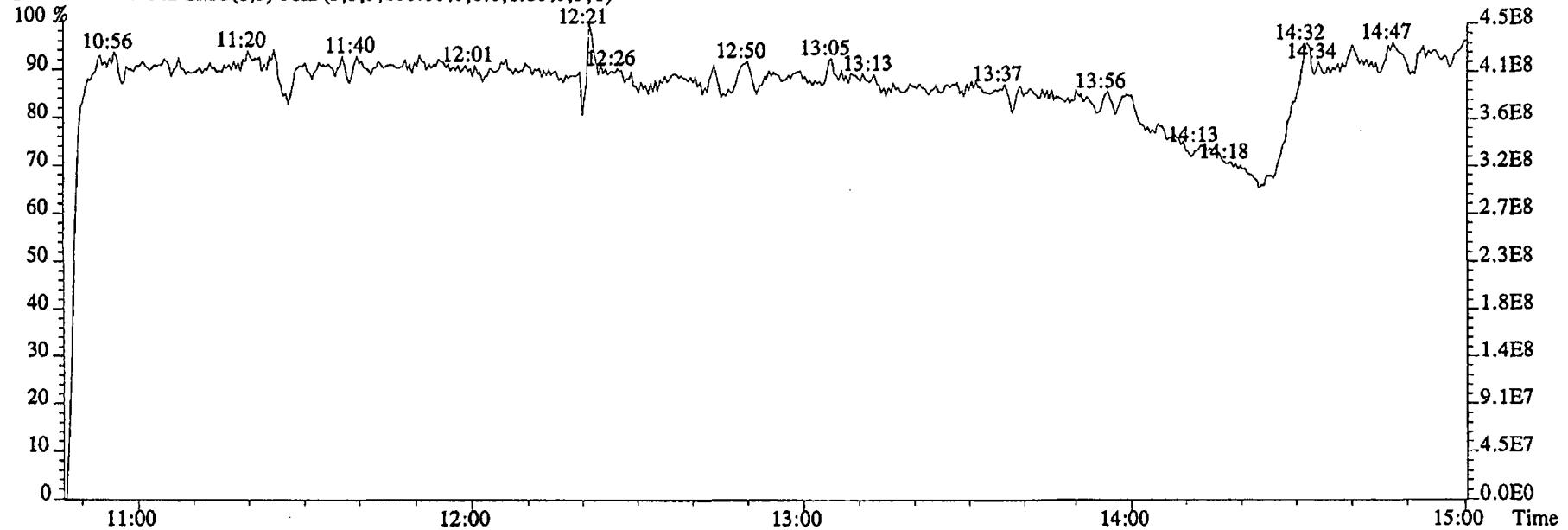
File:16DE045SP #1-480 Acq:17-DEC-2004 09:31:07 GC EI+ Voltage SIR 70SE
Sample#45 Text:G0R1W-1-AC :G4L100385-2 Exp:NDMAVOA
68.9952 S:45 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



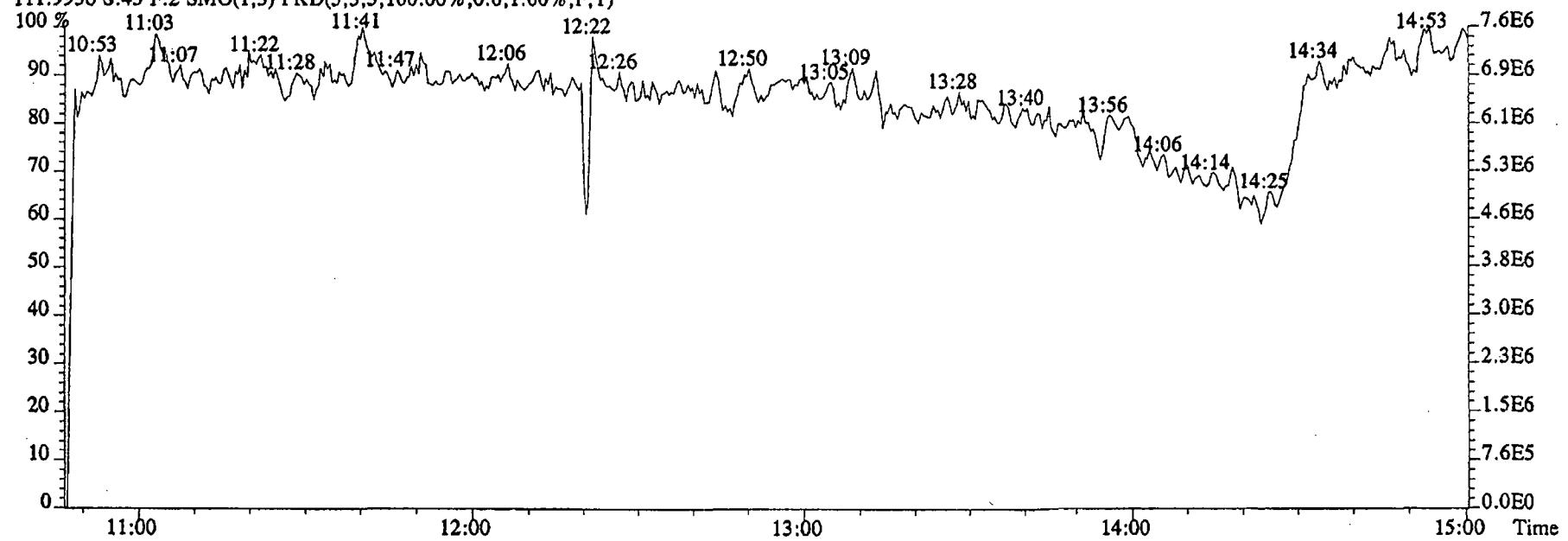
80.9952 S:45 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 09:31:07 GC EI+ Voltage SIR 70SE
Sample#45 Text:G0R1W-1-AC :G4L100385-2 Exp:NDMAVOA
118.9920 S:45 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:45 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0R10-1-AC Sample text: G0R10-1-AC :G4L100385-3

Run #42 Filename: 16DE045SP S: 46 I: 1 Results: KAS

Acquired: 17-DEC-04 09:51:22

Processed: 17-DEC-04 13:48:44

Run: KAS

Analyte: 1625

Cal: 16251216045SP

Factor 1: 1.000

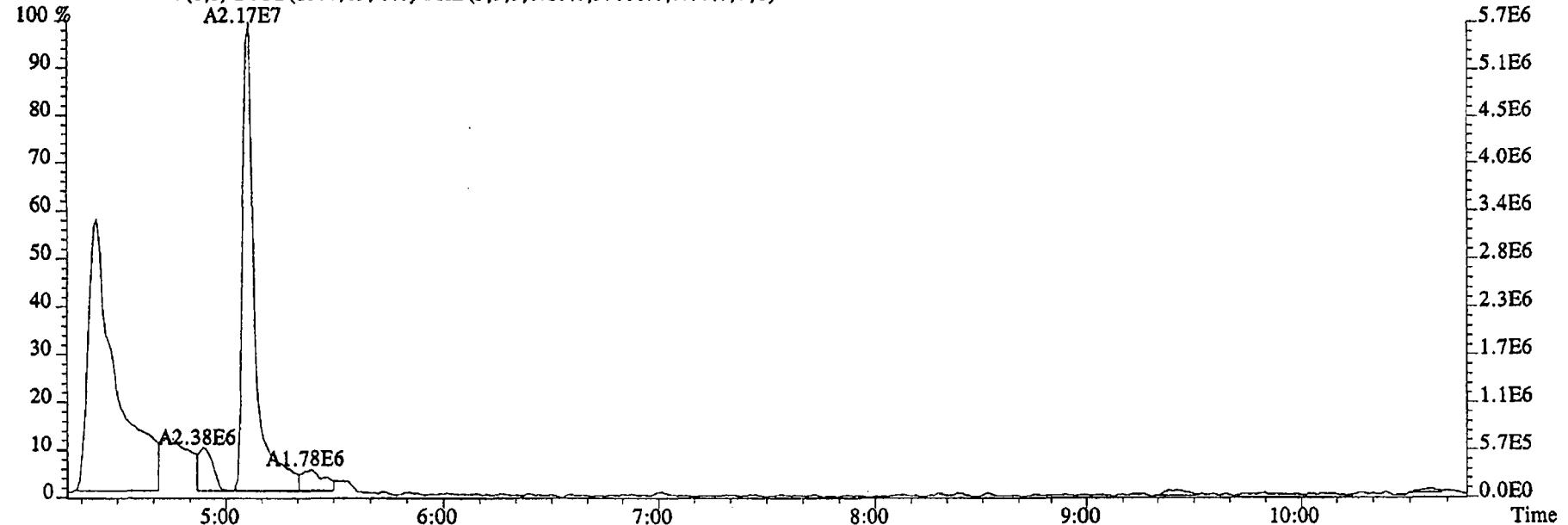
Factor 2: 1.000

Sample size: 0.986 L

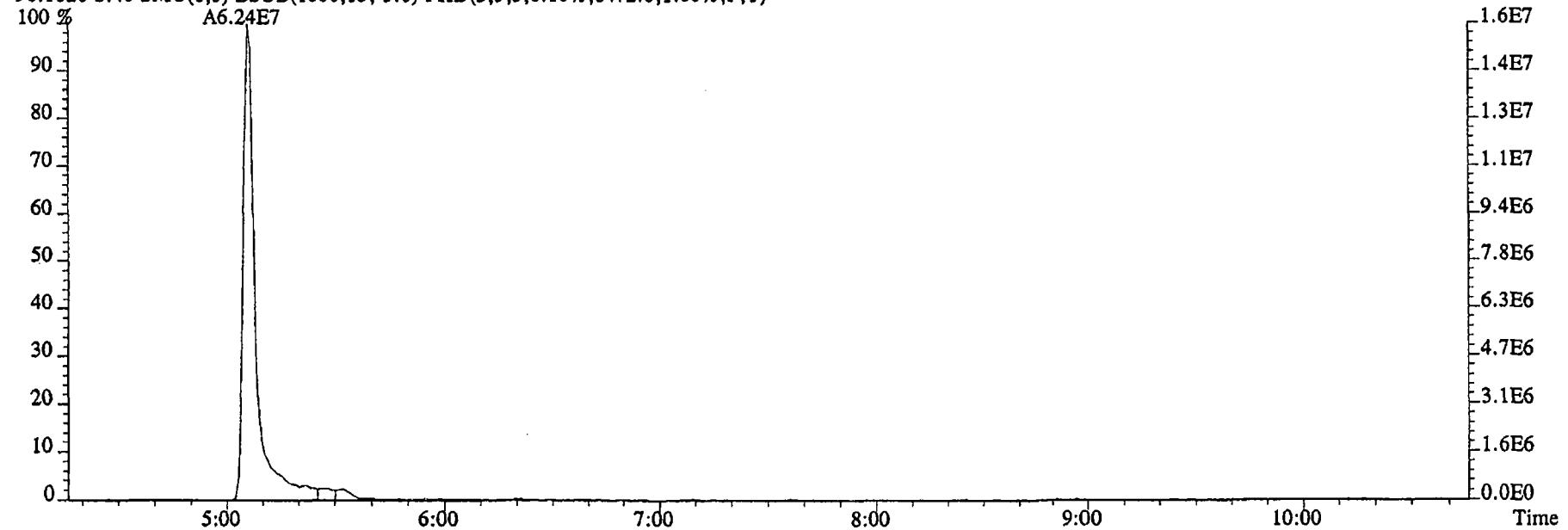
	Name	Resp	RA	RT	RRF	Conc	<i>PL</i>	EDL	Rec	M
	2-Chloropyridine	108034000		11:03	-	223.42		-	-	n
	D8-1,4-Dioxane	62426300		5:06	0.66	178.83		0.25	17.6	n
	1,4-Dioxane	21728000		5:07	1.05	334.78		6.98	-	n
D5-123-TriChloroPropane	62060100			10:00	2.35	49.56		0.08	48.9	n
1,2,3-TriChloroPropane	*			NotFnd	0.48	*	<i>L5.0</i>	1.25	-	n
1,2,3-TriChloroPropane	*			NotFnd	-	*		-	-	n
D6-NDMA	13197400			10:10	1.48	16.73		0.07	16.5	x
NDMA	*			NotFnd	1.37	*	<i>L2.6</i>	4.02	<i>L1.6</i>	-
2-Chloropyridine	352697000			11:03	-	228.24		-	-	n

V-38.04
o

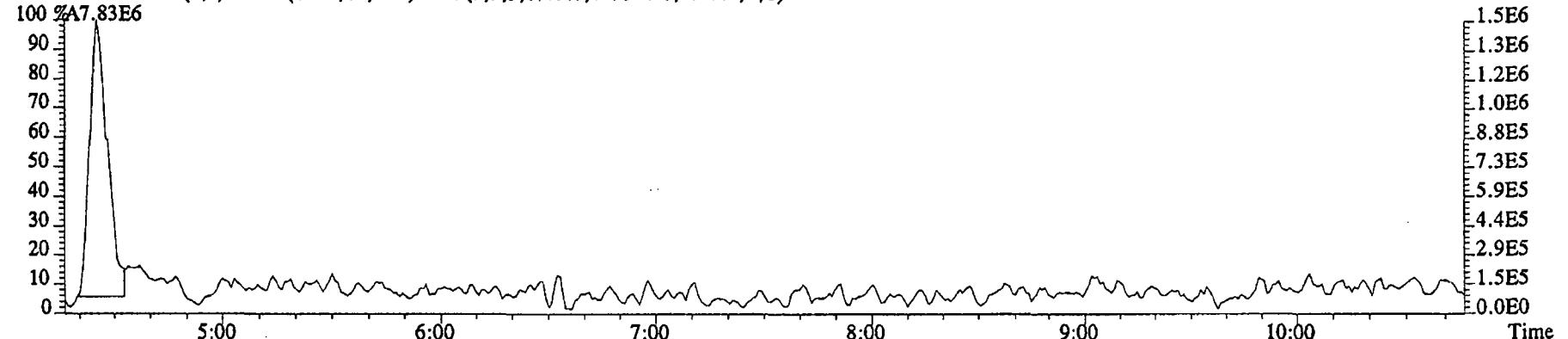
File:16DE045SP #1-480 Acq:17-DEC-2004 09:51:22 GC EI+ Voltage SIR 70SE
Sample#46 Text:G0R10-1-AC :G4L100385-3 Exp:NDMAVOA
88.0524 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37888.0,1.00%,F,T)



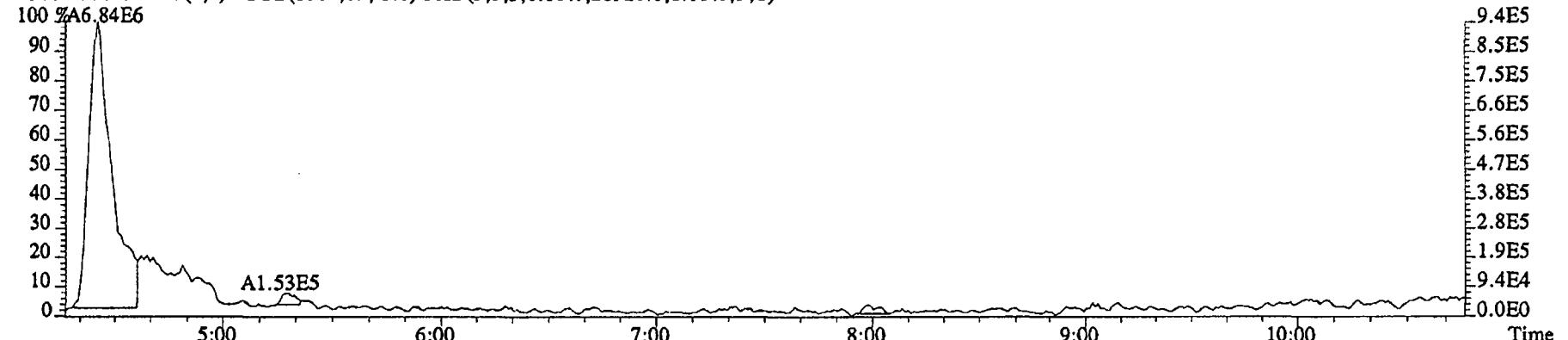
96.1026 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8472.0,1.00%,F,T)



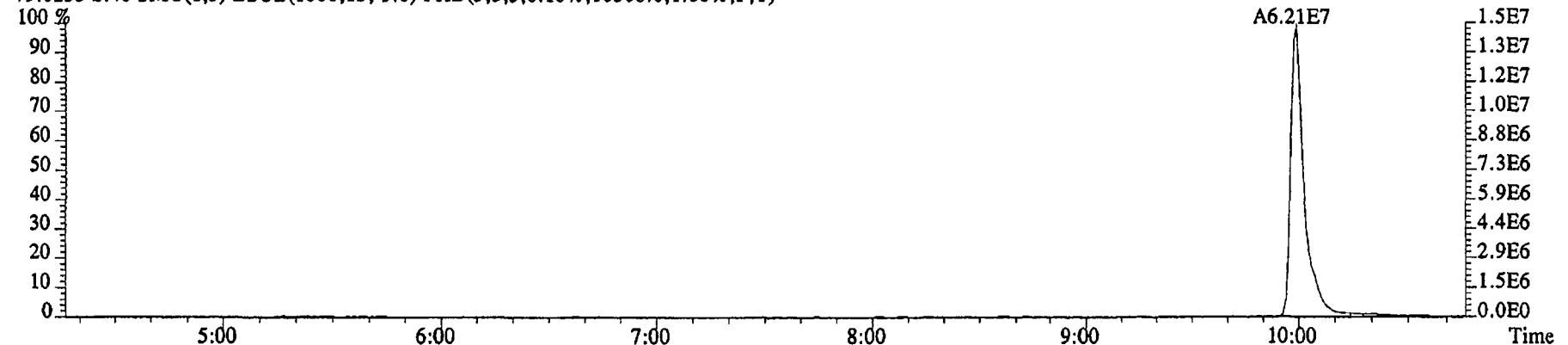
File:16DE045SP #1-480 Acq:17-DEC-2004 09:51:22 GC El+ Voltage SIR 70SE
 Sample#46 Text:G0R10-1-AC :G4L100385-3 Exp:NDMAVOA
 75.0002 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,145376.0,1.00%,F,T)



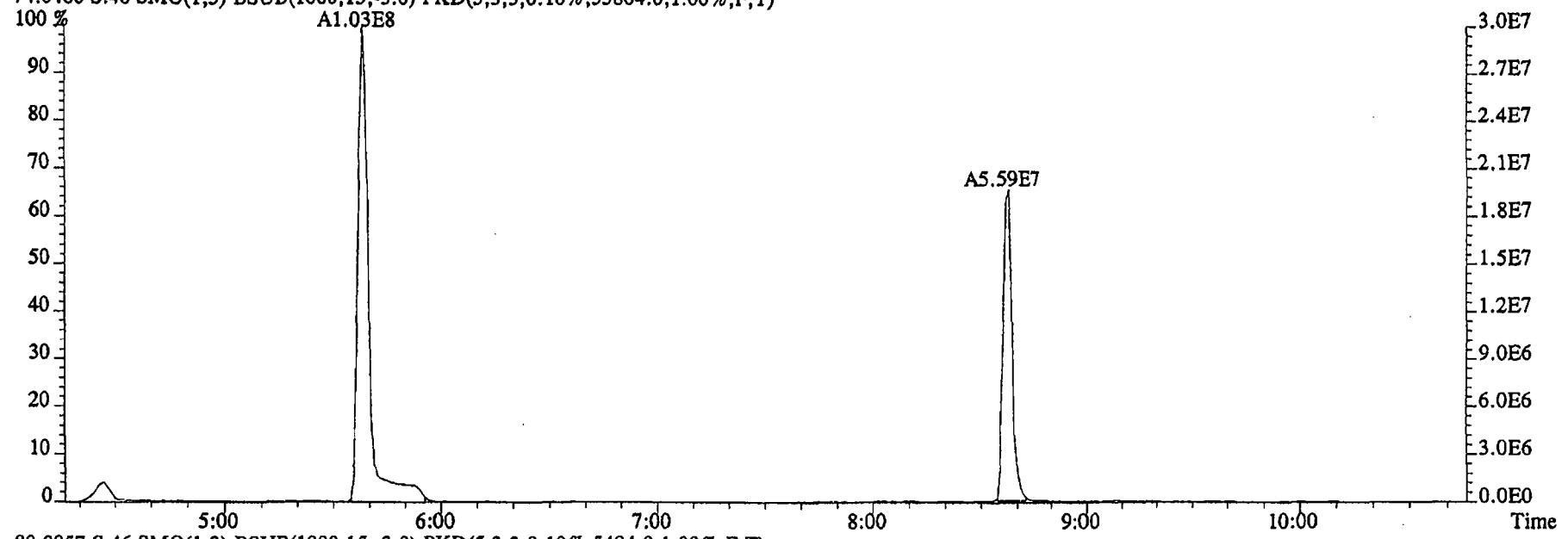
76.9972 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28920.0,1.00%,F,T)



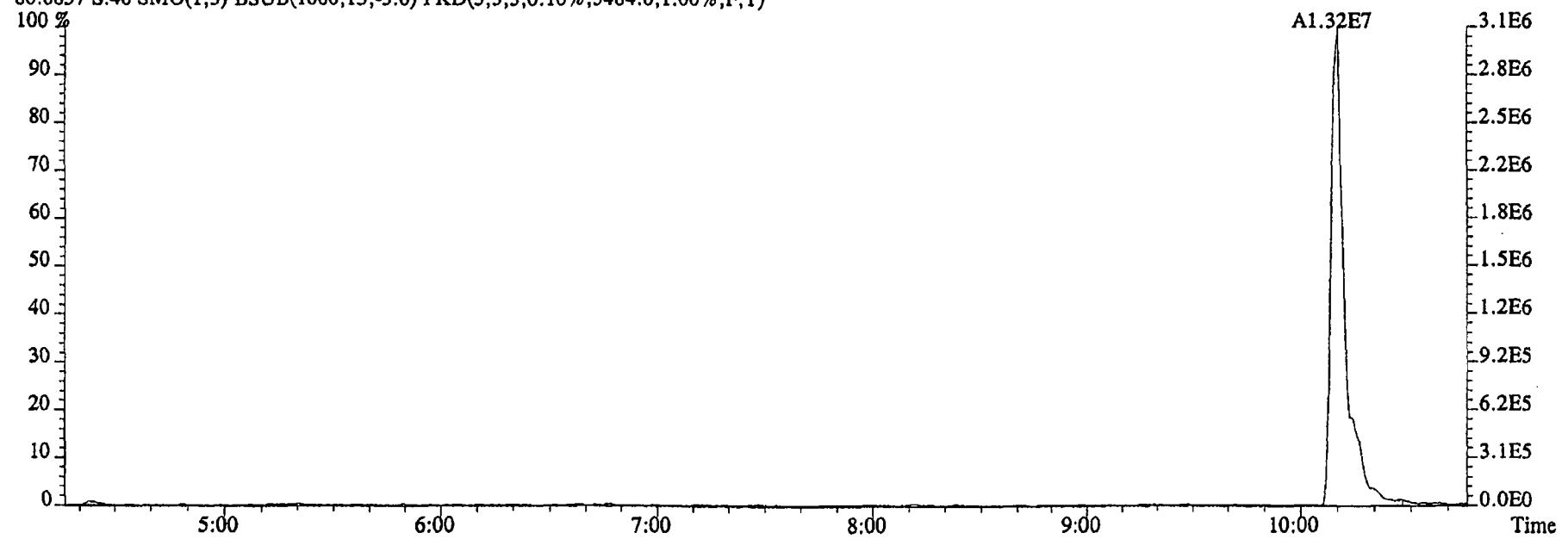
79.0253 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10308.0,1.00%,F,T)



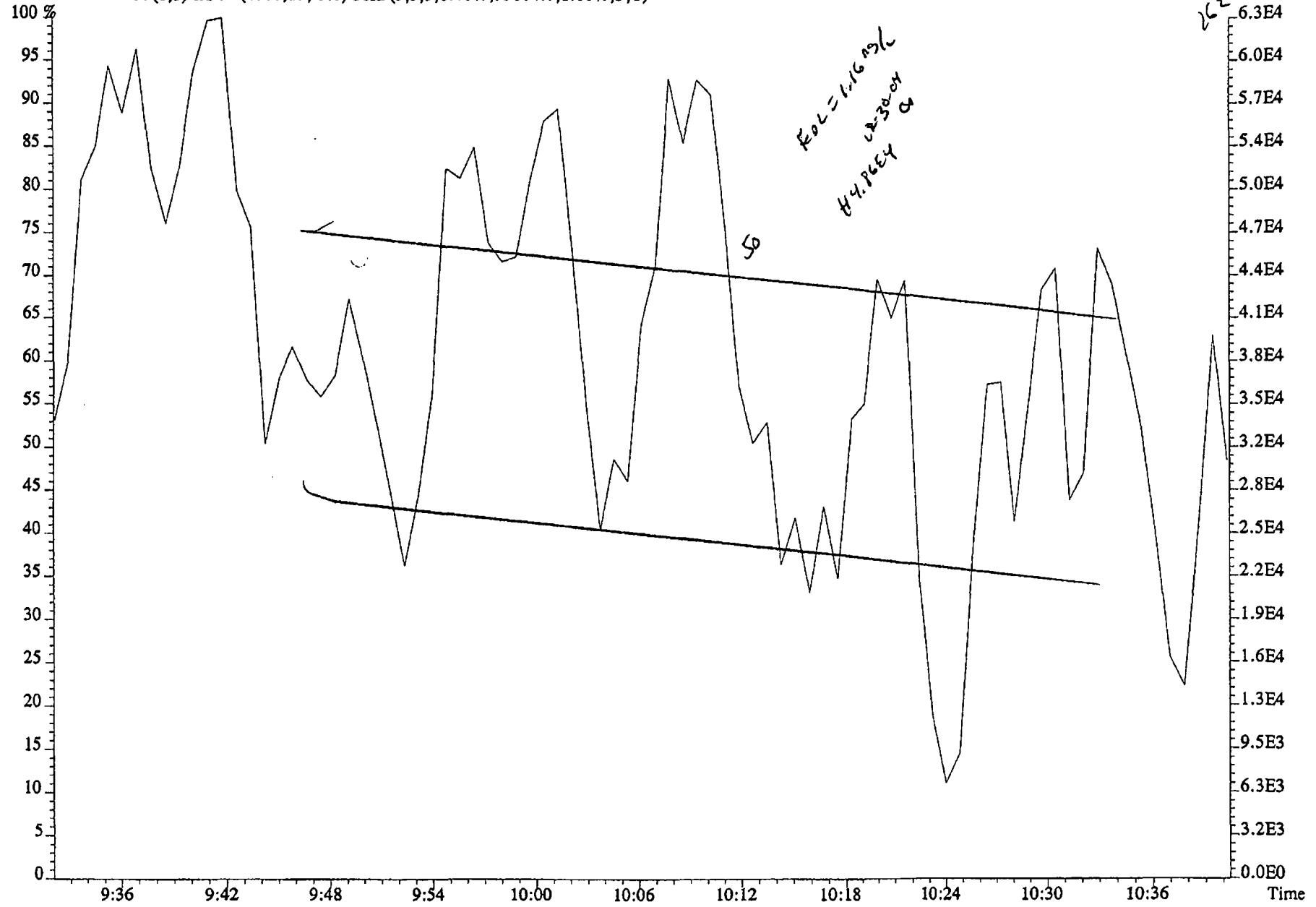
File:16DE045SP #1-480 Acq:17-DEC-2004 09:51:22 GC EI+ Voltage SIR 70SE
Sample#46 Text:GOR10-1-AC :G4L100385-3 Exp:NDMAVOA
74.0480 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,55804.0,1.00%,F,T)



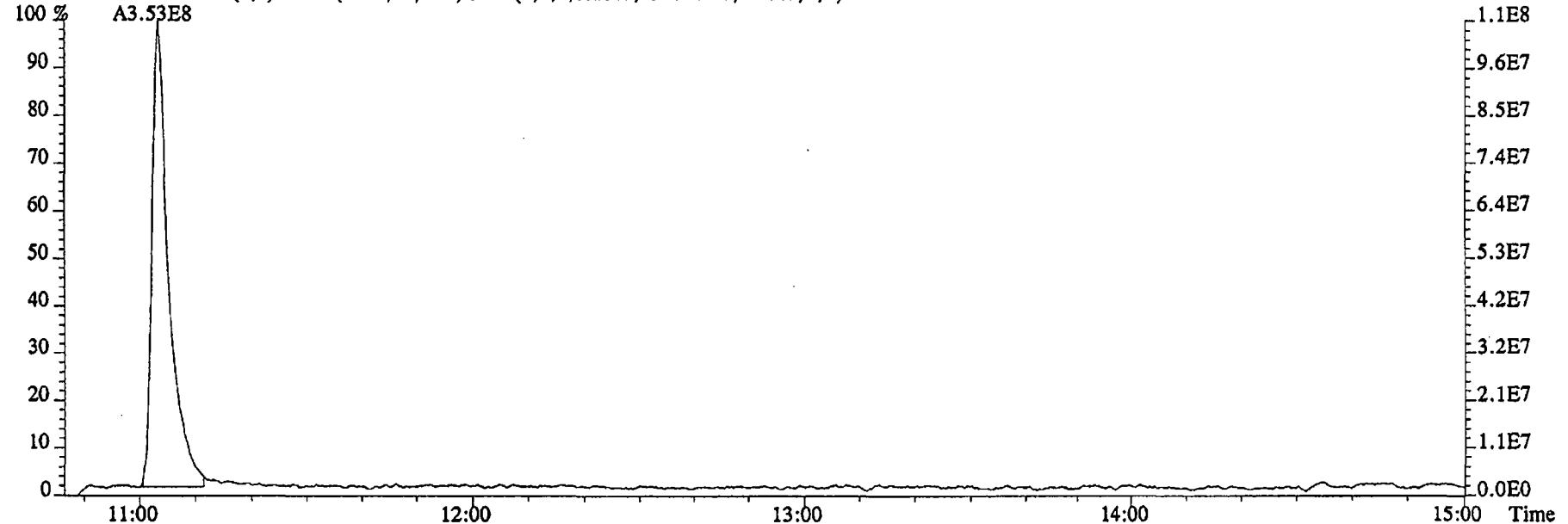
80.0857 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5484.0,1.00%,F,T)



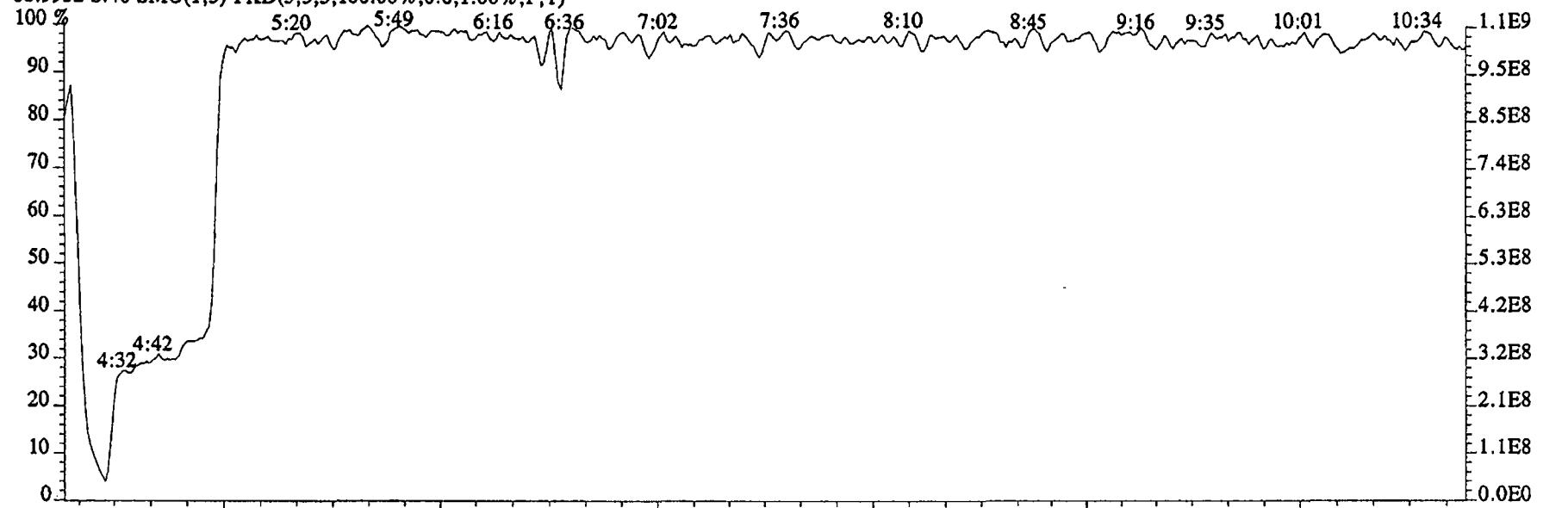
File:16DE045SP #1-480 Acq:17-DEC-2004 09:51:22 GC EI+ Voltage SIR 70SE
 Sample#46 Text:GOR10-1-AC :G4L100385-3 Exp:NDMAVOA
 74.0480 S:46 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,55804.0,1.00%,F,T)



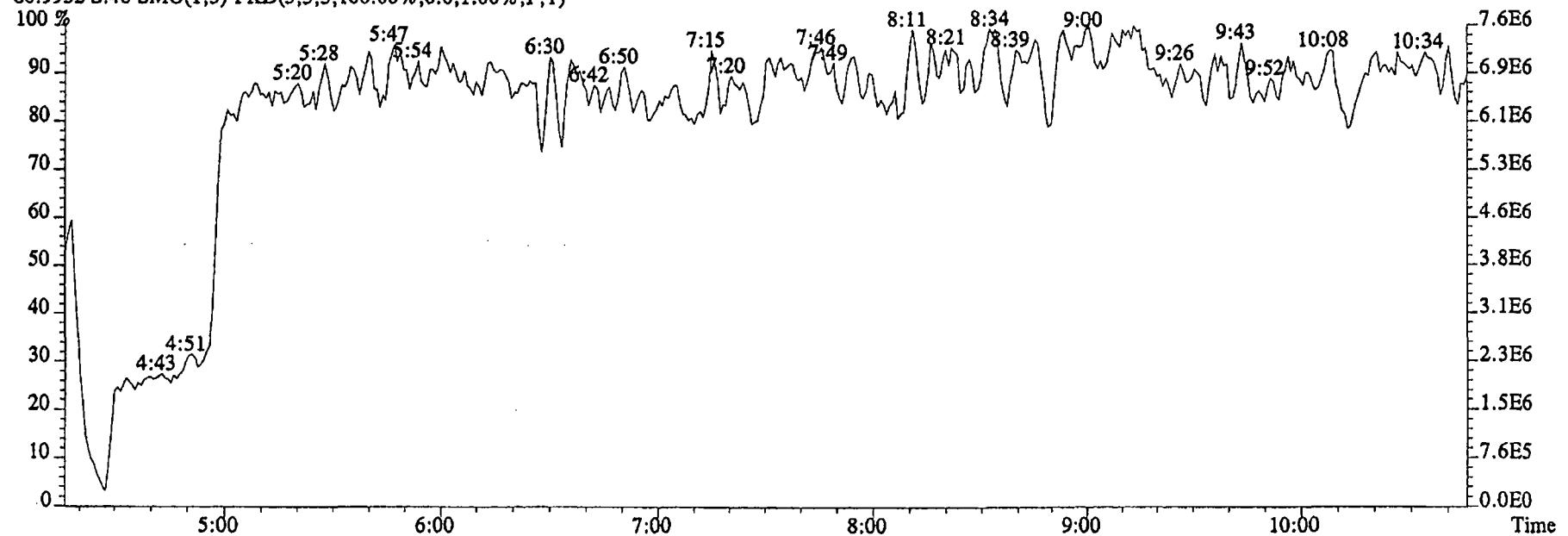
File:16DE045SP #1-591 Acq:17-DEC-2004 09:51:22 GC EI + Voltage SIR 70SE
Sample#46 Text:G0R10-1-AC :G4L100385-3 Exp:NDMAVOA
113.0032 S:46 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2590740.0,1.00%,F,T)



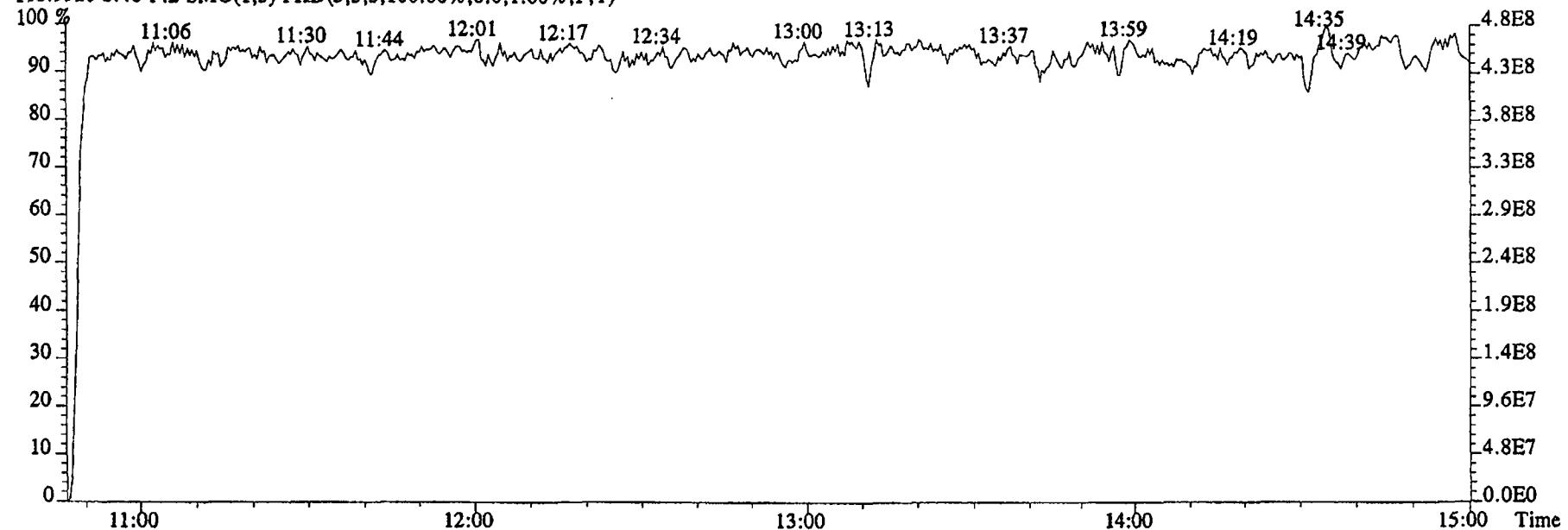
File:16DE045SP #1-480 Acq:17-DEC-2004 09:51:22 GC EI+ Voltage SIR 70SE
Sample#46 Text:G0R10-1-AC :G4L100385-3 Exp:NDMAVOA
68.9952 S:46 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



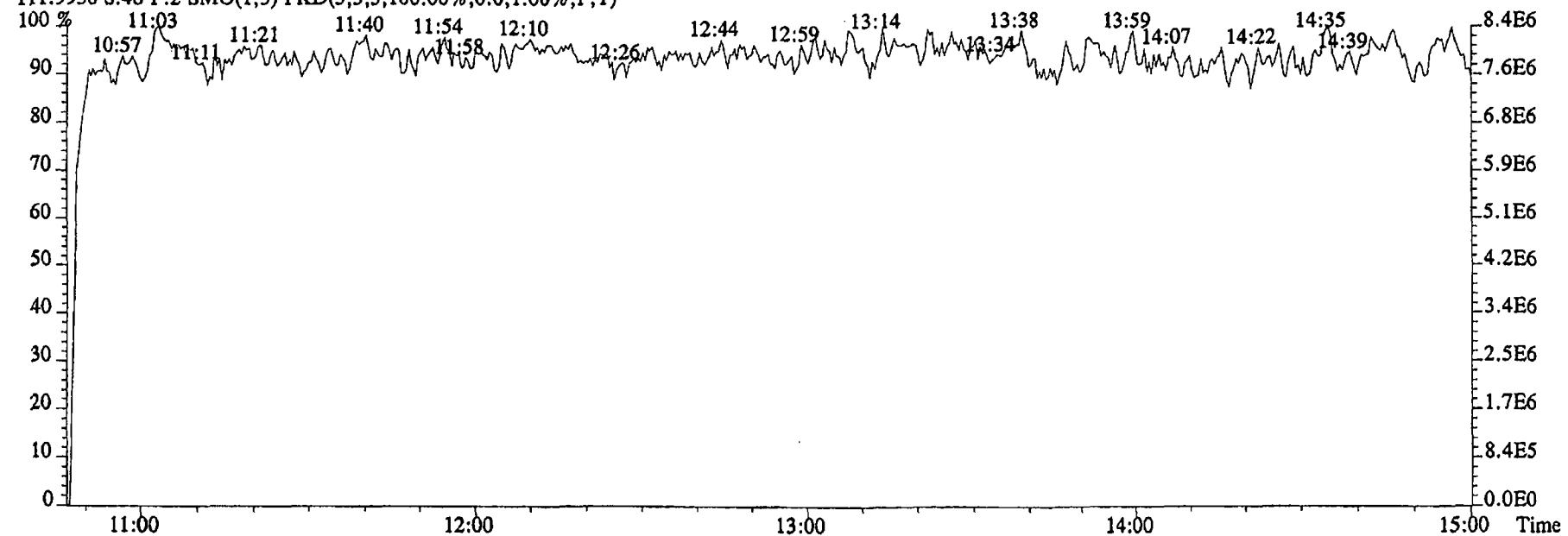
80.9952 S:46 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 09:51:22 GC EI+ Voltage SIR 70SE
Sample#46 Text:G0R10-1-AC :G4L100385-3 Exp:NDMAVOA
118.9920 S:46 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:46 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0R12-1-AC Sample text: G0R12-1-AC :G4L100385-4

Run #43 Filename: 16DE045SP S: 47 I: 1 Results: KAS

Acquired: 17-DEC-04 10:11:39 Processed: 17-DEC-04 13:48:45

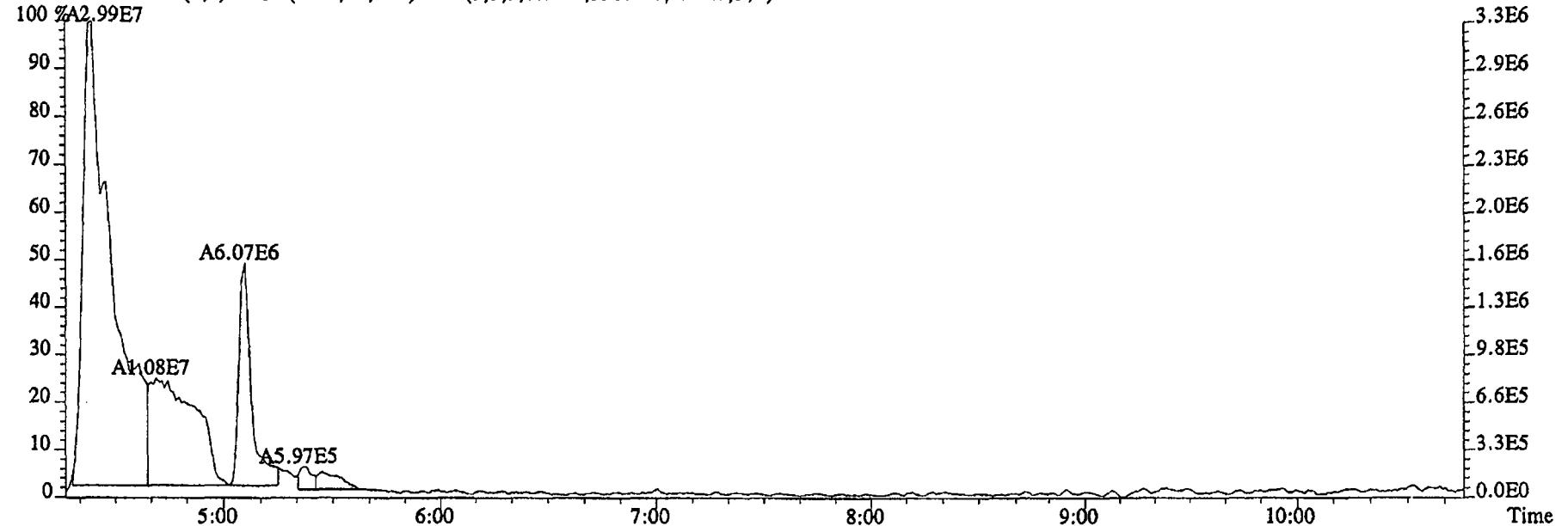
Run: KAS Analyte: 1625 Cal: 16251216045SP

Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.953 L

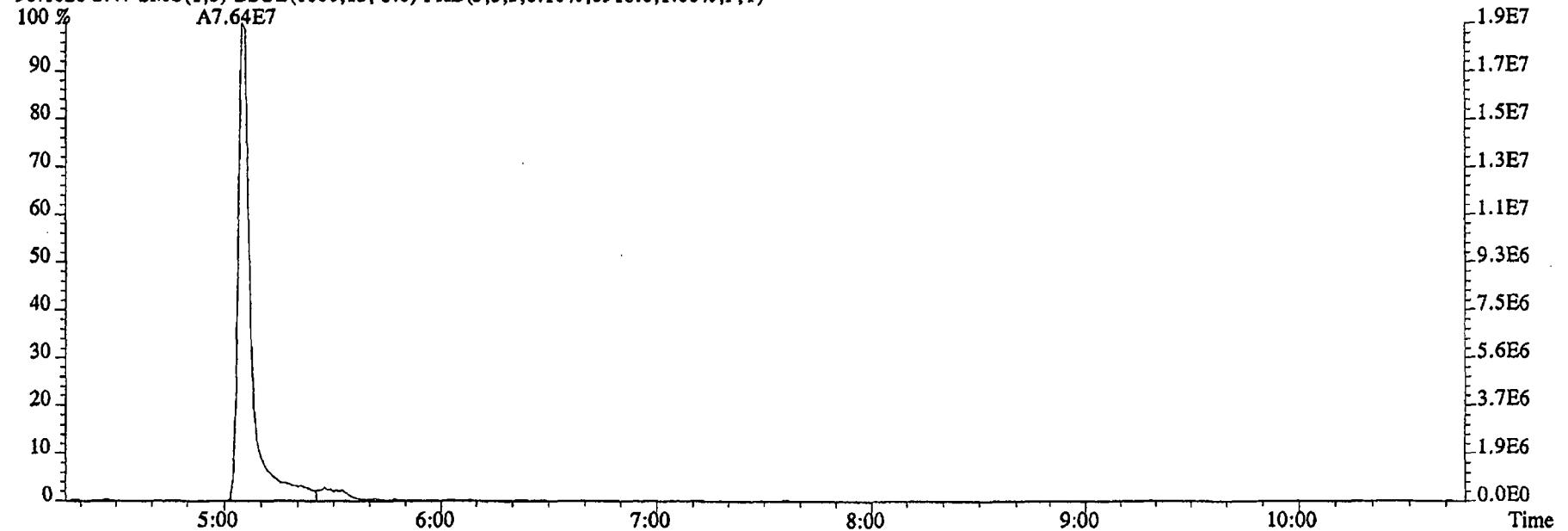
Name	Resp	RA	RT	RRF	Conc	<i>re</i>	EDL	Rec	M
2-Chloropyridine	103320000		11:03	-	221.07		-	-	n
D8-1,4-Dioxane	76390600		5:05	0.66	236.74		0.22	22.6	n
1,4-Dioxane	6072170		5:06	1.05	79.10		6.37	-	n
D5-123-TriChloroPropane	73776700		10:00	2.35	63.74		0.10	60.7	n
1,2,3-TriChloroPropane	*		Not Fnd	0.48	*	<5.0	0.90	-	n
1,2,3-TriChloroPropane	*		Not Fnd	-	*		-	-	n
D6-NDMA	15630300		10:10	1.48	21.44		0.09	20.4	n
NDMA	*		Not Fnd	1.37	*	<2.0	2.67 0.57	-	n
2-Chloropyridine	335769000		11:03	-	224.81		-	-	n

*123c44
a*

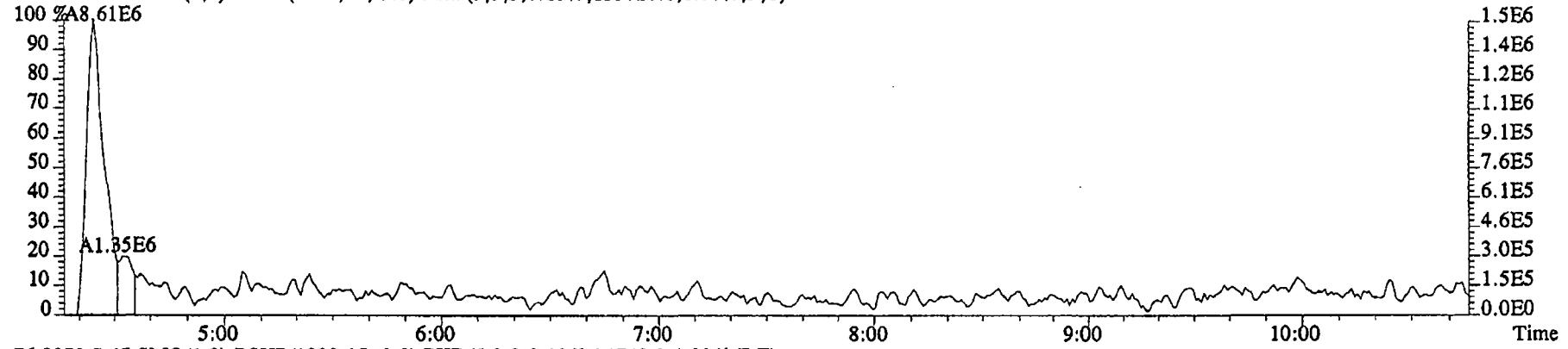
File:16DE045SP #1-480 Acq:17-DEC-2004 10:11:39 GC EI + Voltage SIR 70SE
Sample#47 Text:GOR12-1-AC :G4L100385-4 Exp:NDMAVOA
88.0524 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,39888.0,1.00%,F,T)



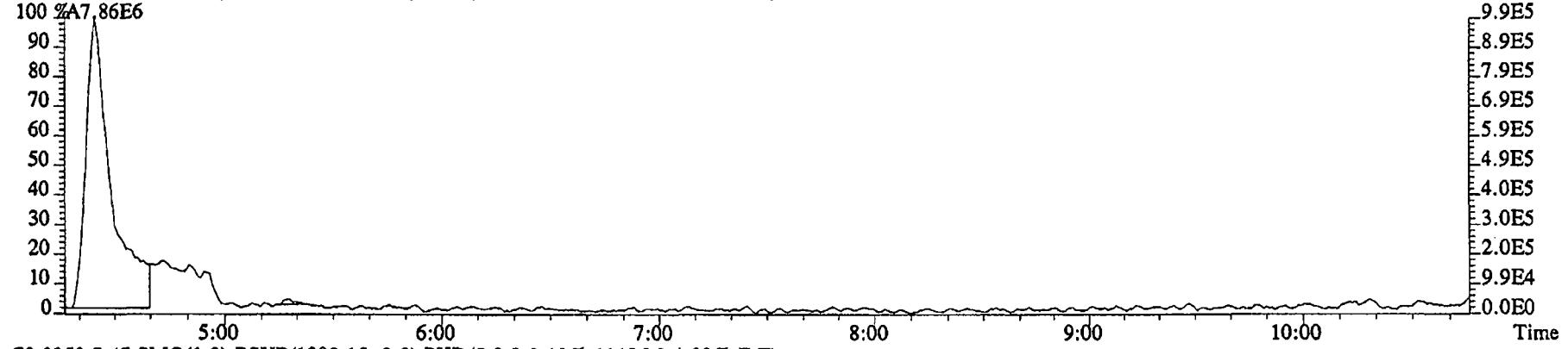
96.1026 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6916.0,1.00%,F,T)



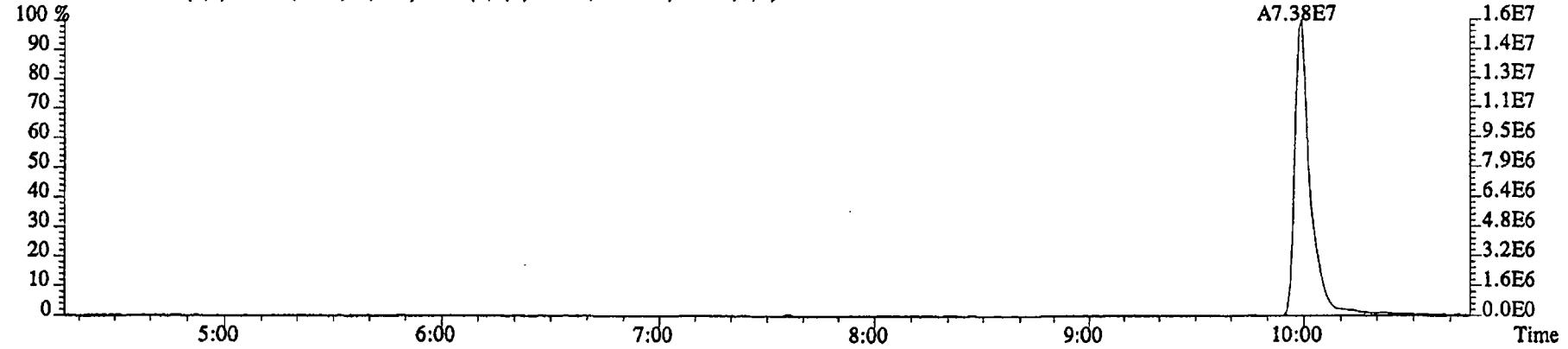
File:16DE045SP #1-480 Acq:17-DEC-2004 10:11:39 GC EI+ Voltage SIR 70SE
 Sample#47 Text:G0R12-1-AC :G4L100385-4 Exp:NDMAVOA
 75.0002 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,133728.0,1.00%,F,T)



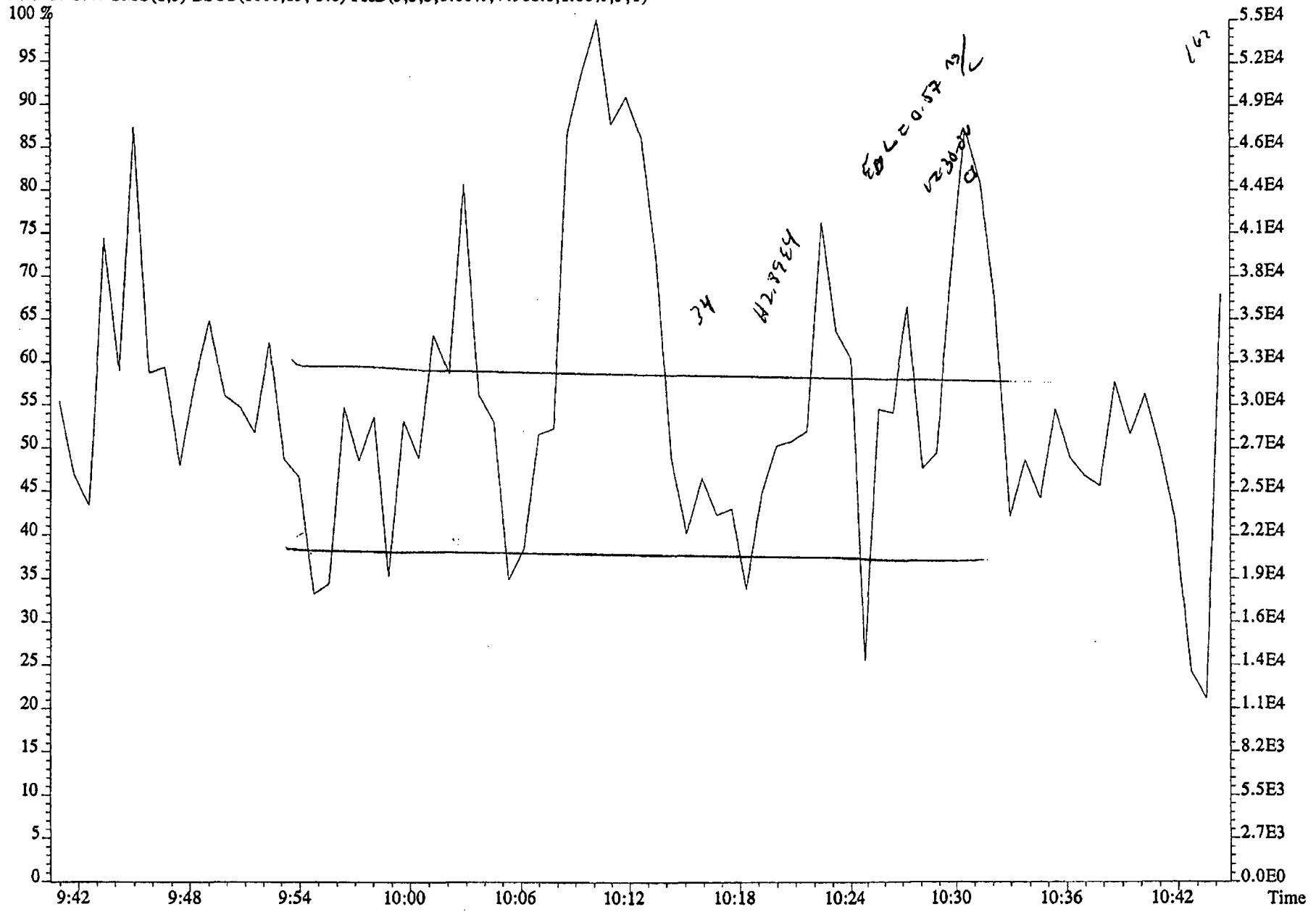
76.9972 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21740.0,1.00%,F,T)



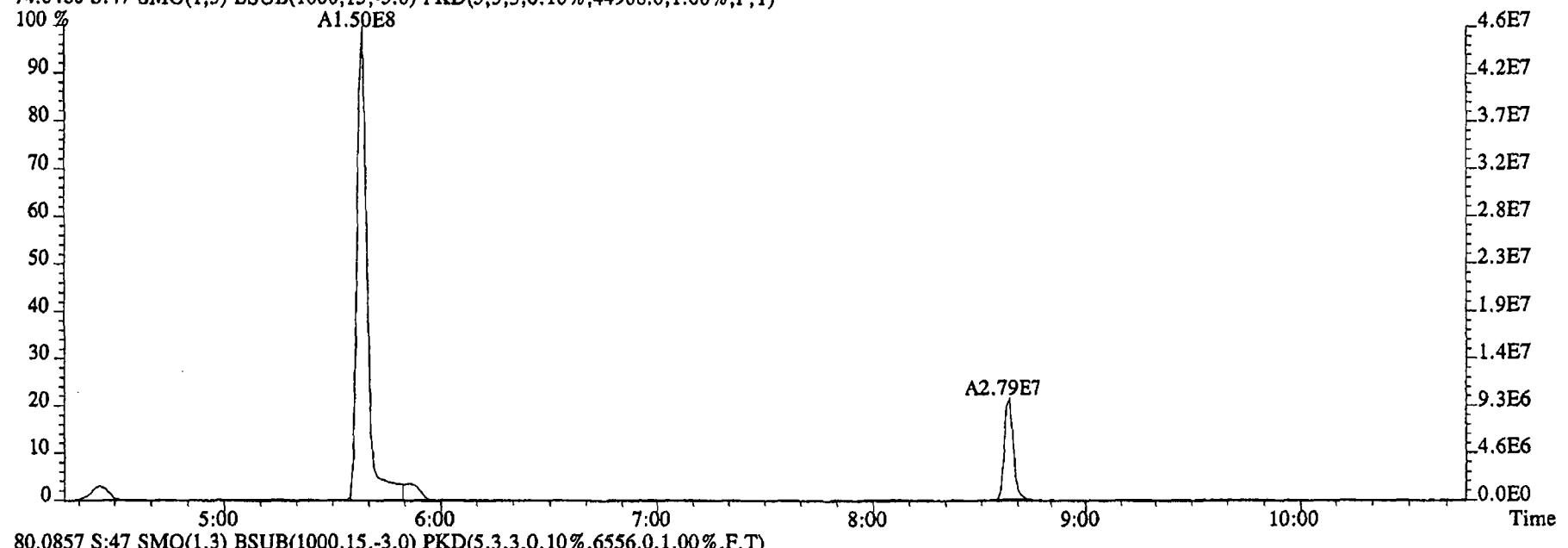
79.0253 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11196.0,1.00%,F,T)



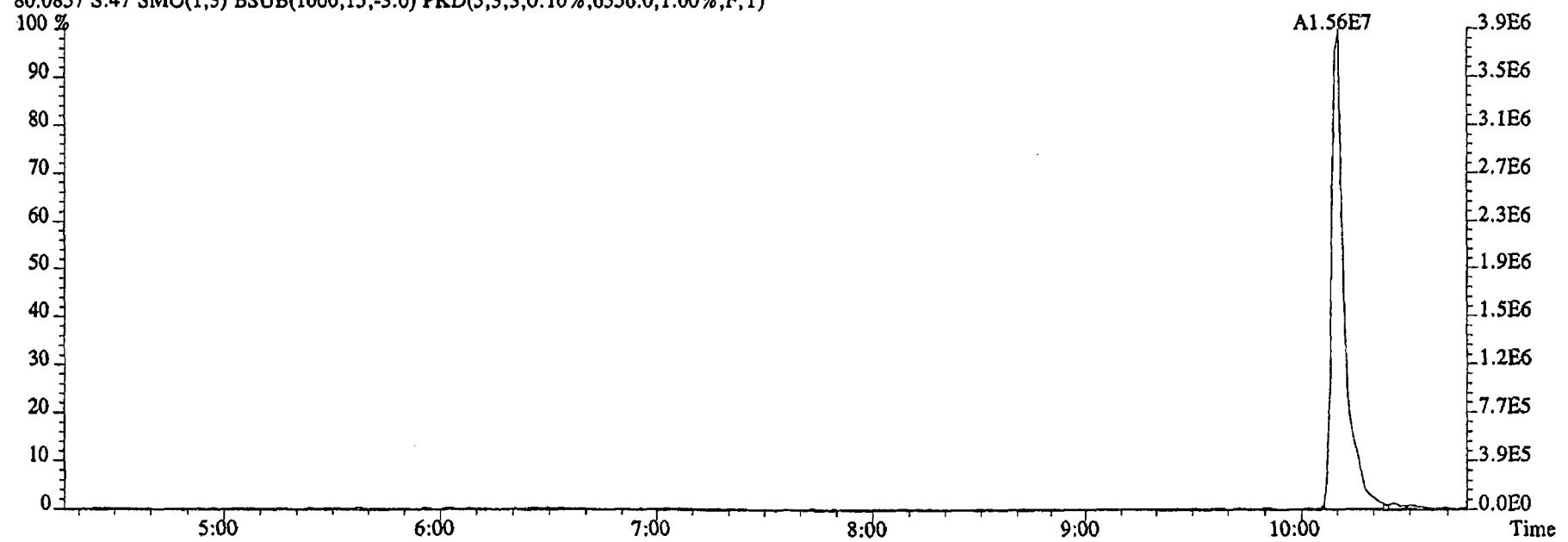
File:16DE045SP #1-480 Acq:17-DEC-2004 10:11:39 GC EI+ Voltage SIR 70SE
 Sample#47 Text:GOR12-1-AC :G4L100385-4 Exp:NDMAVOA
 74.0480 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44908.0,1.00%,F,T)



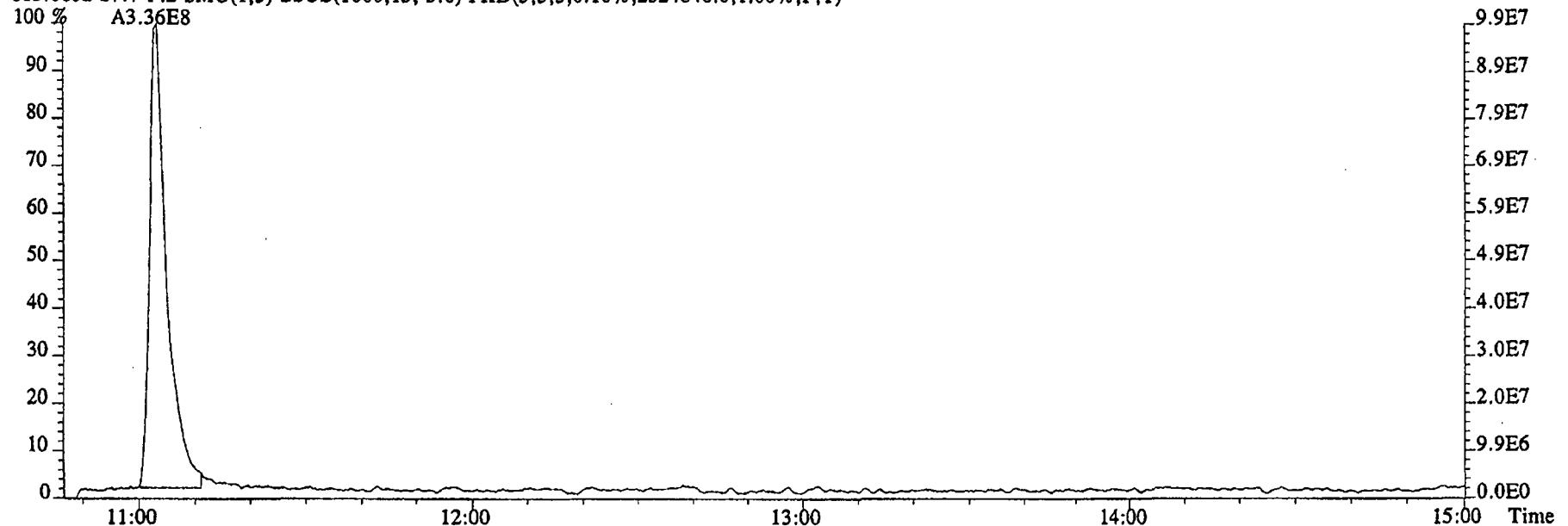
File:16DE045SP #1-480 Acq:17-DEC-2004 10:11:39 GC EI+ Voltage SIR 70SE
Sample#47 Text:G0R12-1-AC :G4L100385-4 Exp:NDMAVOA
74.0480 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,44908.0,1.00%,F,T)



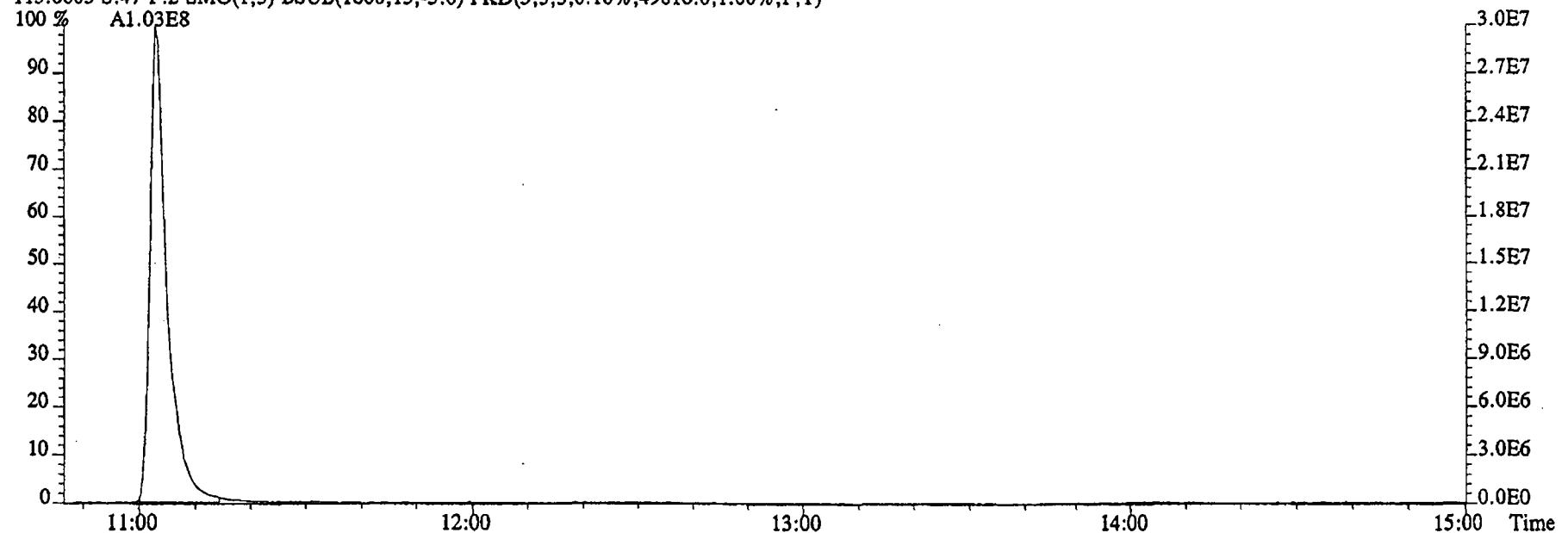
80.0857 S:47 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6556.0,1.00%,F,T)



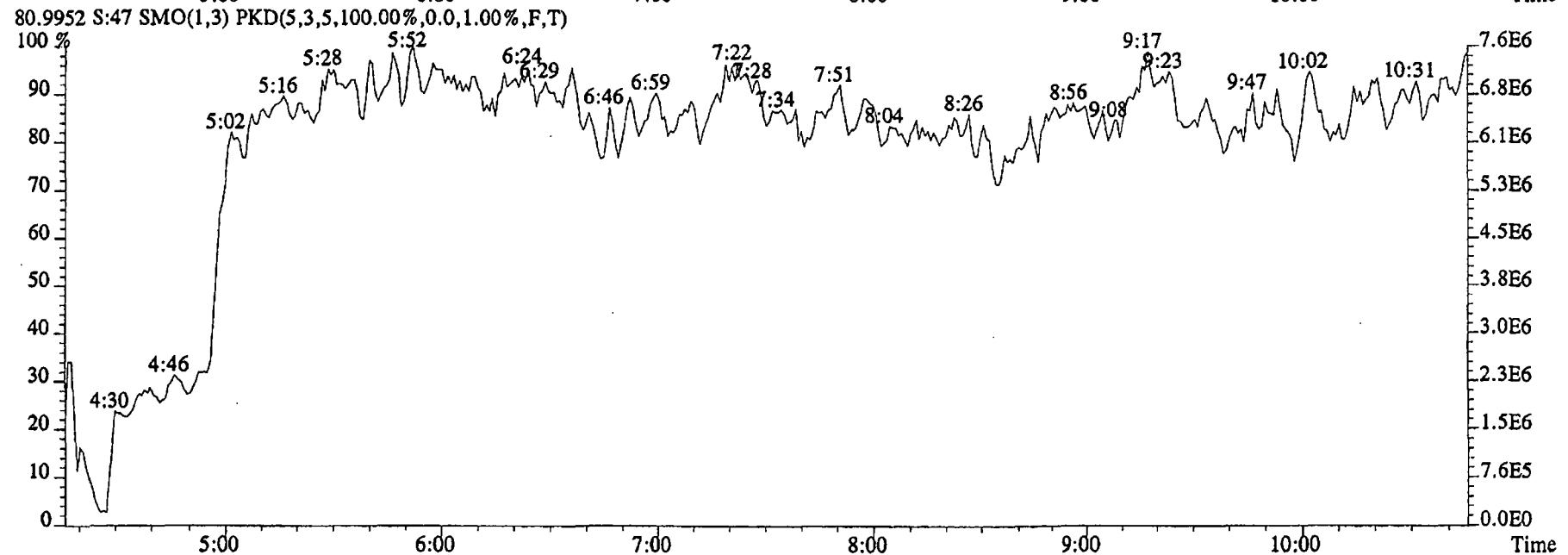
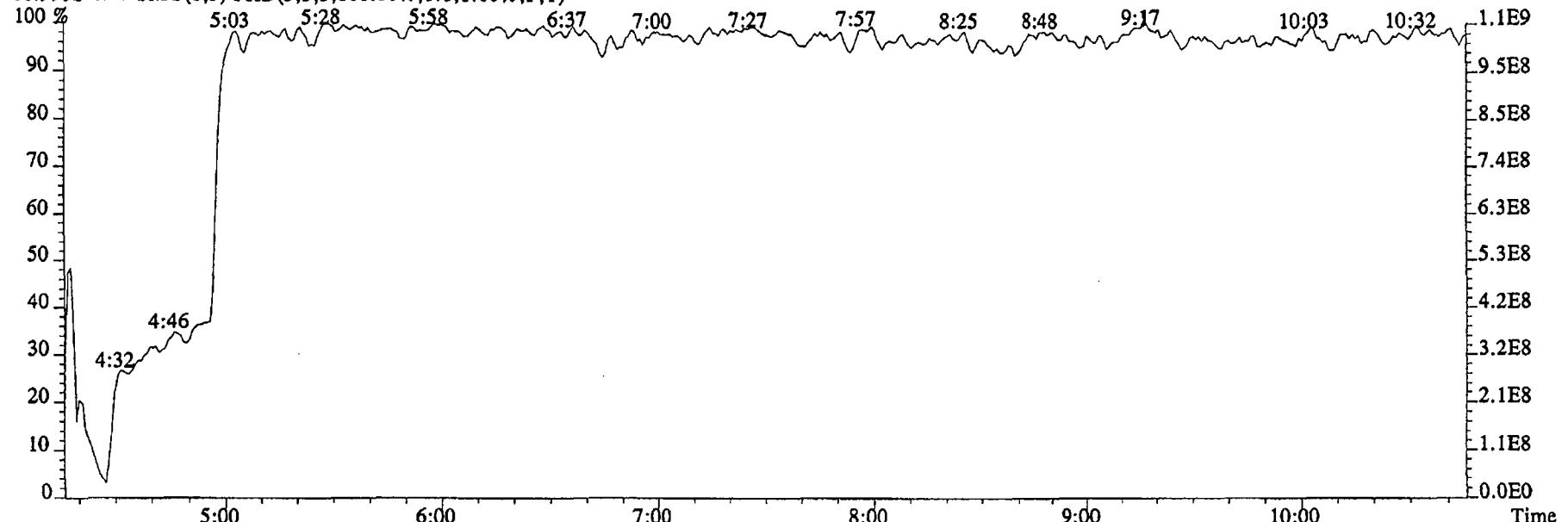
File:16DE045SP #1-591 Acq:17-DEC-2004 10:11:39 GC EI+ Voltage SIR 70SE
Sample#47 Text:GOR12-1-AC :G4L100385-4 Exp:NDMAVOA
113.0032 S:47 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2324848.0,1.00%,F,T)



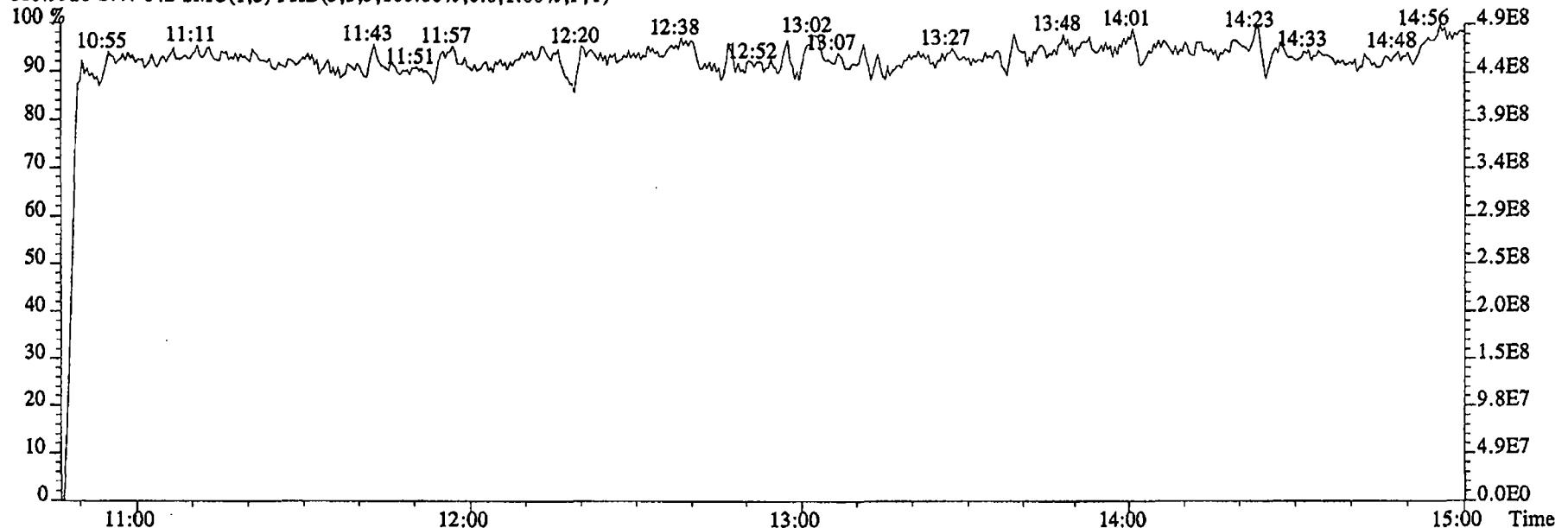
115.0003 S:47 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49816.0,1.00%,F,T)



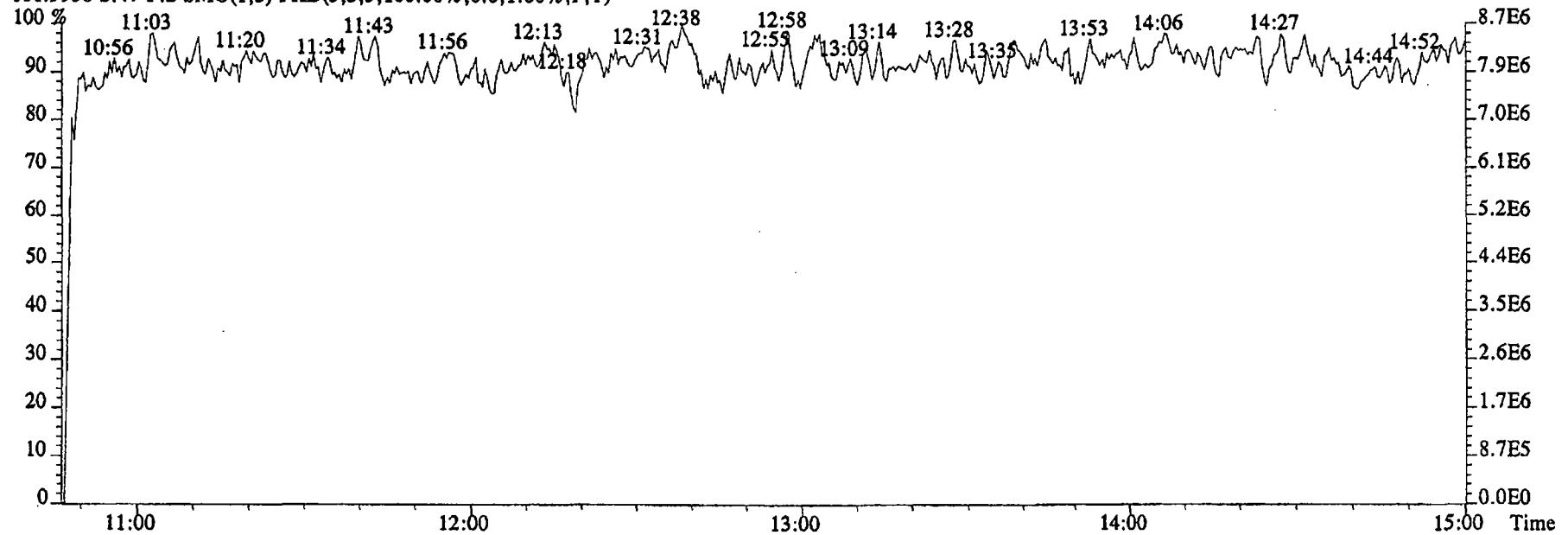
File:16DE045SP #1-480 Acq:17-DEC-2004 10:11:39 GC EI+ Voltage SIR 70SE
Sample#47 Text:G0R12-1-AC :G4L100385-4 Exp:NDMAVOA
68.9952 S:47 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 10:11:39 GC EI+ Voltage SIR 70SE
Sample#47 Text:G0R12-1-AC :G4L100385-4 Exp:NDMAVOA
118.9920 S:47 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:47 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

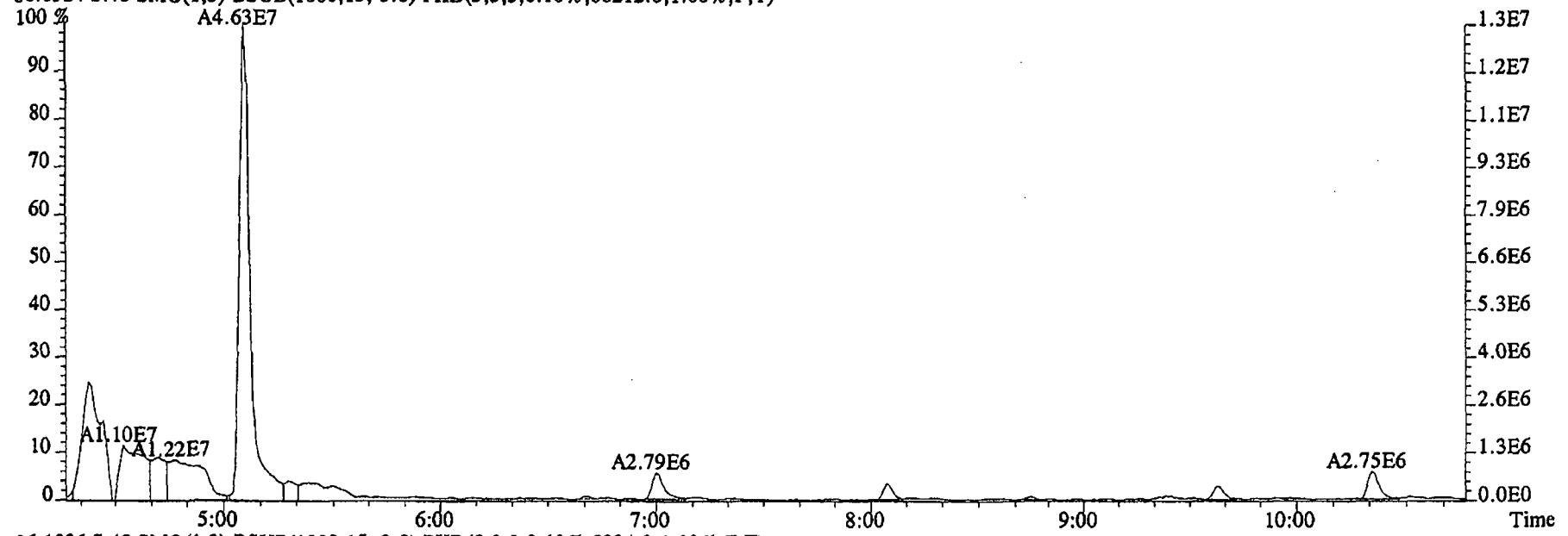


Run text: G0R14-1-AA Sample text: G0R14-1-AA :G4L100385-5
 Run #44 Filename: 16DE045SP S: 48 I: 1 Results: KAS
 Acquired: 17-DEC-04 10:31:57 Processed: 17-DEC-04 13:48:46
 Run: KAS Analyte: 1625 Cal: 16251216045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.972 L

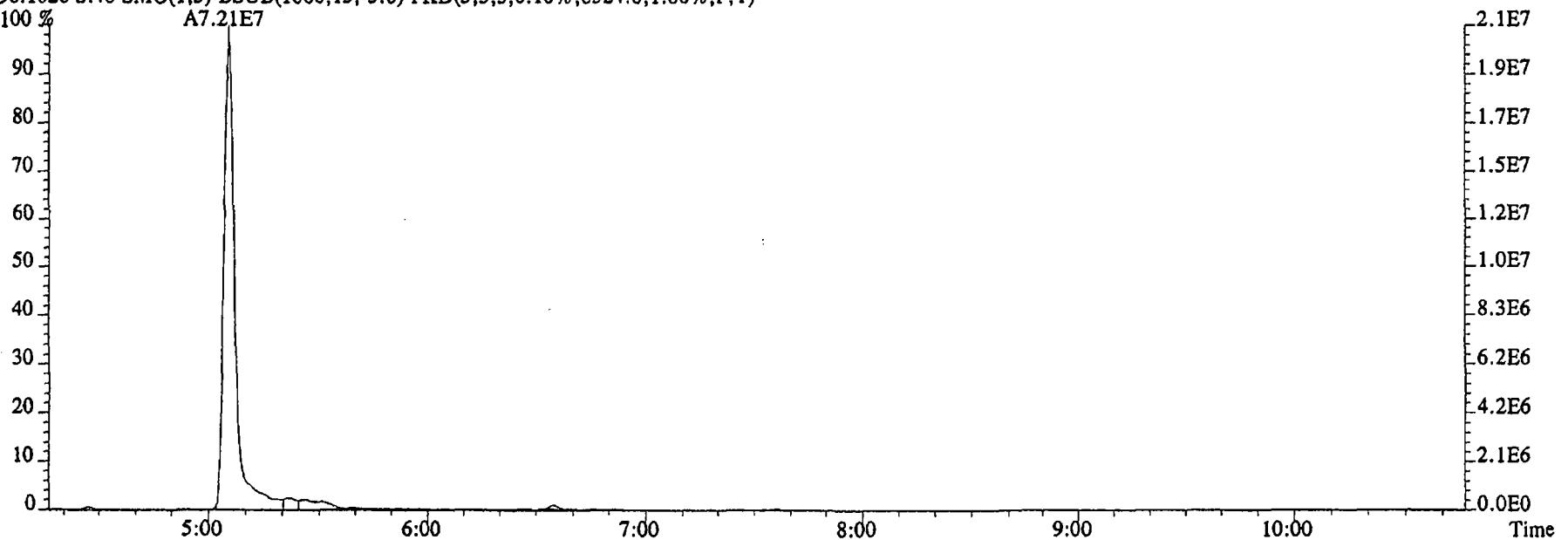
Name	Resp	RA	RT	RRF	Conc	RL	EDL	Rec	M
2-Chloropyridine	105356000		11:03	-	221.02		-	-	n
D8-1,4-Dioxane	72057900		5:06	0.66	214.71		0.26	20.9	n
1,4-Dioxane	46327400		5:06	1.05	627.30		9.59	-	n
D5-123-TriChloroPropane	65788900		9:59	2.35	54.65		0.14	53.1	n
1,2,3-TriChloroPropane	125355		10:03	0.48	0.41	<5.0	1.35	-	n
1,2,3-TriChloroPropane	*		Not Fnd	-	*		-	-	n
D6-NDMA	16951400		10:10	1.48	22.35		0.13	21.7	n
NDMA	6130770		10:09	1.37	27.08	NA see ap 4.69	-	-	n
2-Chloropyridine	331933000		11:03	-	217.89		-	-	n

12-26-04

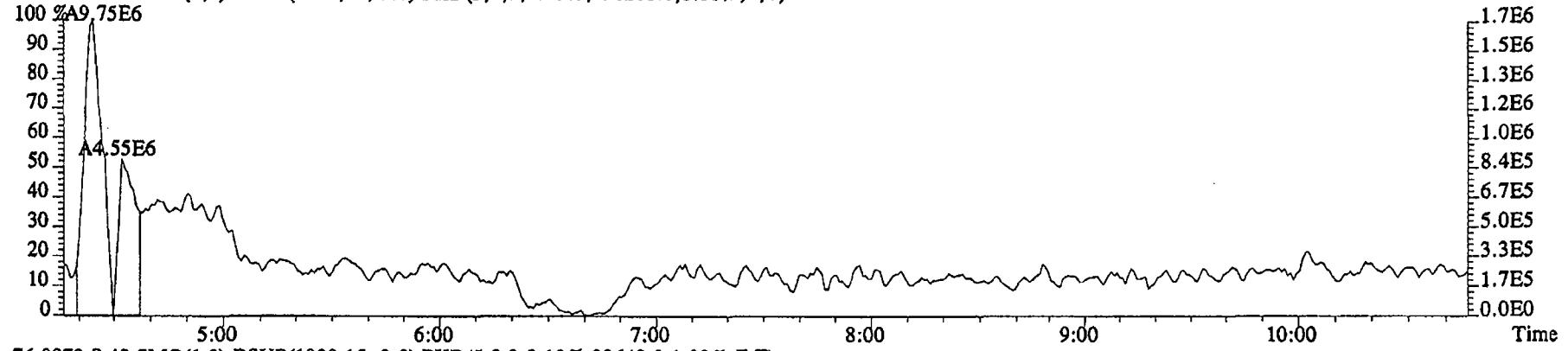
File:16DE045SP #1-481 Acq:17-DEC-2004 10:31:57 GC EI+ Voltage SIR 70SE
Sample#48 Text:G0R14-1-AA :G4L100385-5 Exp:NDMAVOA
88.0524 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,68212.0,1.00%,F,T)



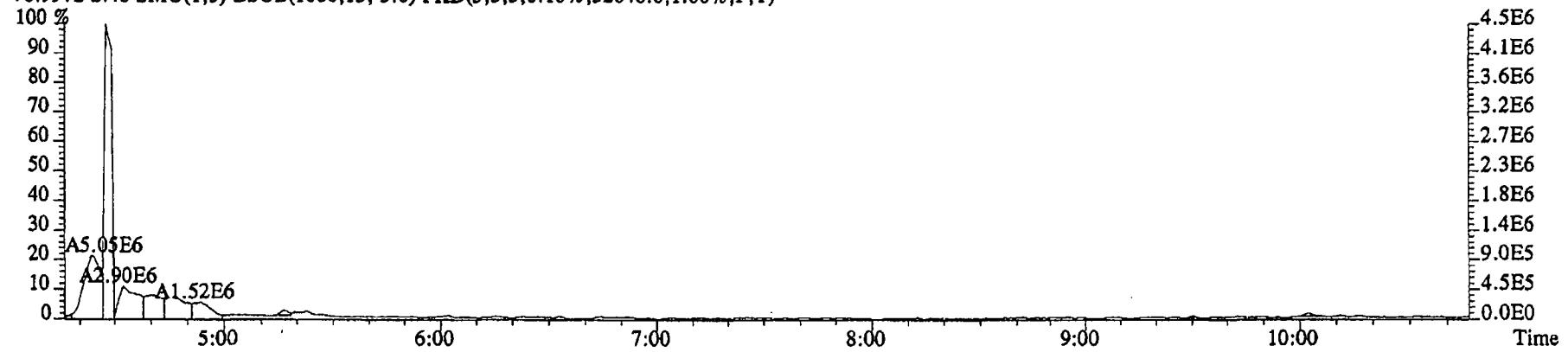
96.1026 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8324.0,1.00%,F,T)



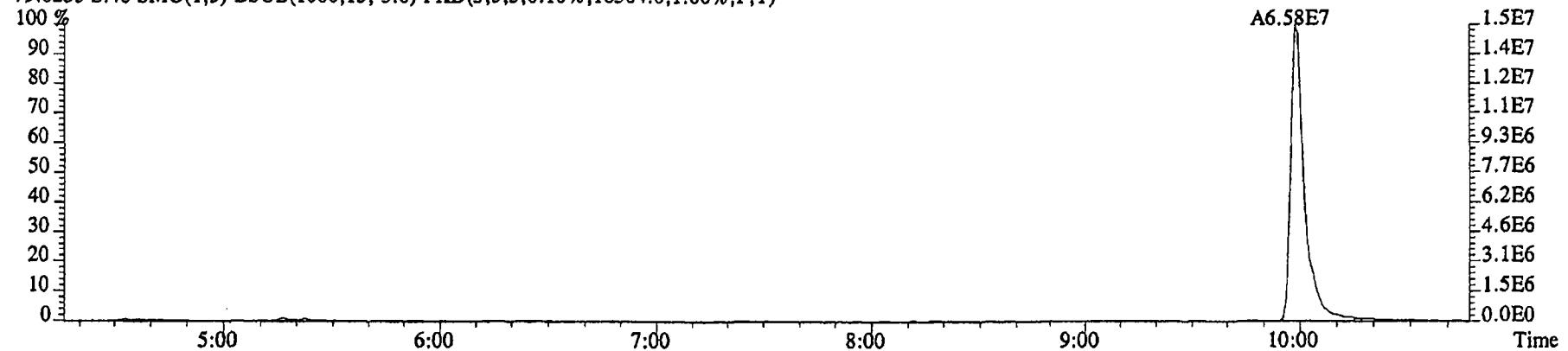
File:16DE045SP #1-481 Acq:17-DEC-2004 10:31:57 GC EI+ Voltage SIR 70SE
 Sample#48 Text:G0R14-1-AA :G4L100385-5 Exp:NDMAVOA
 75.0002 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,296268.0,1.00%,F,T)



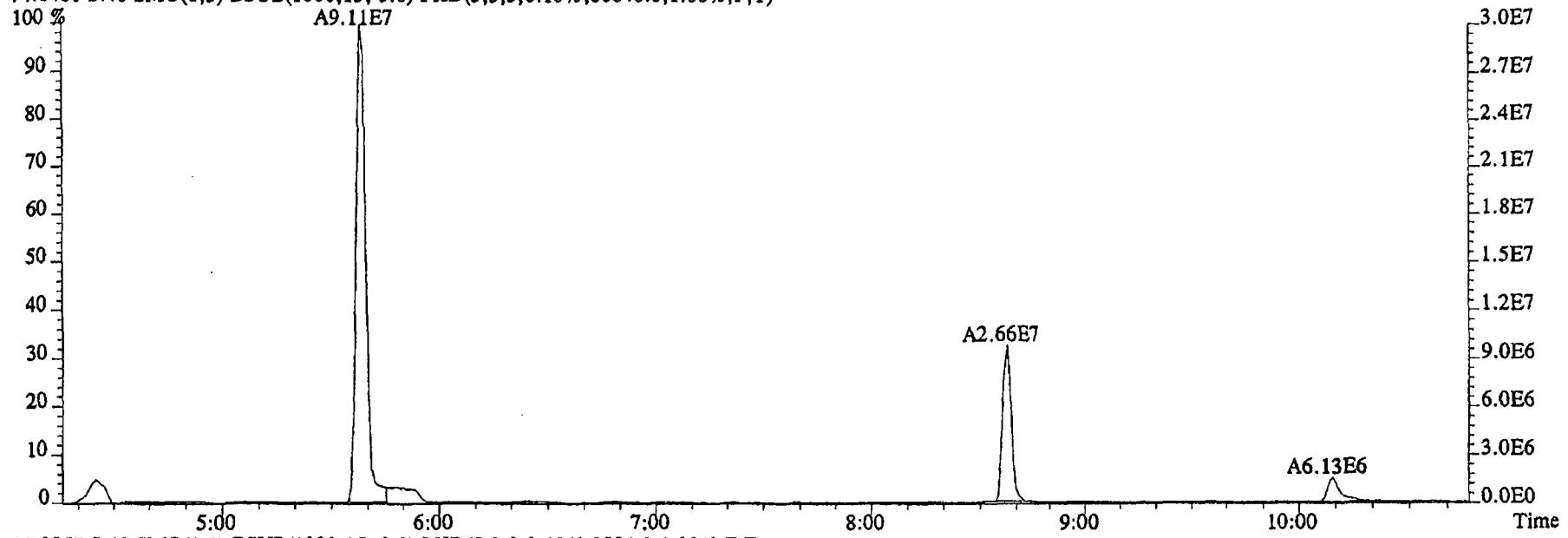
76.9972 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32648.0,1.00%,F,T)



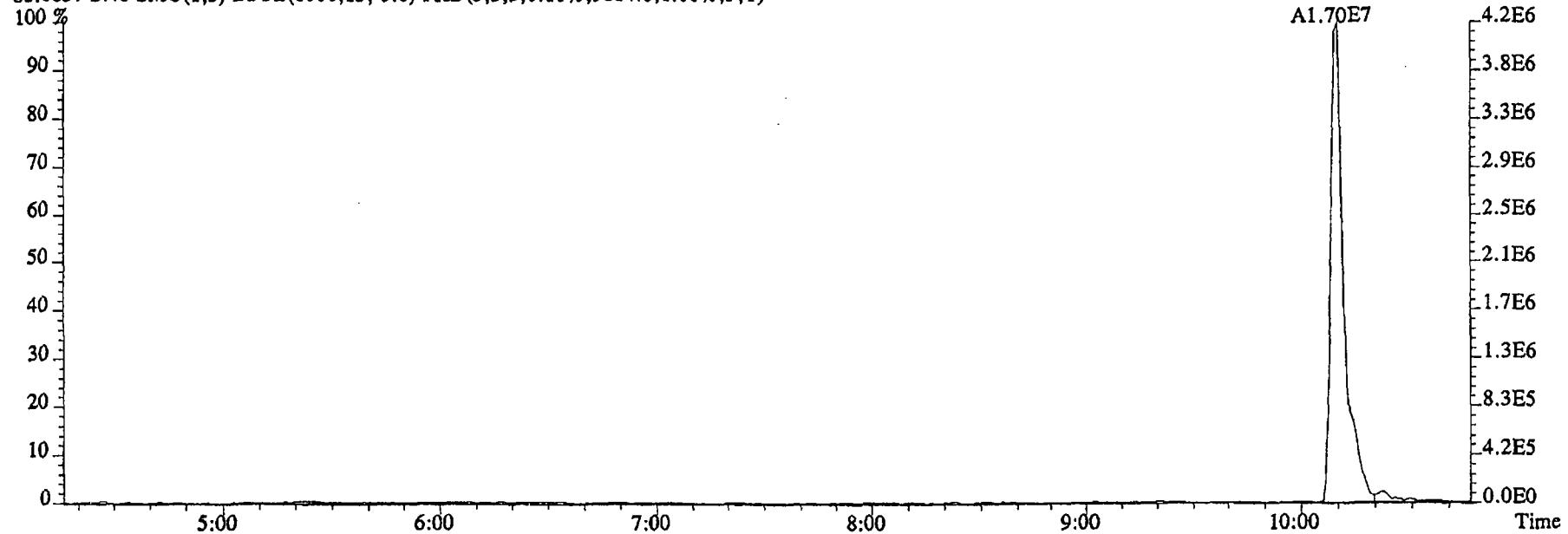
79.0253 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16504.0,1.00%,F,T)



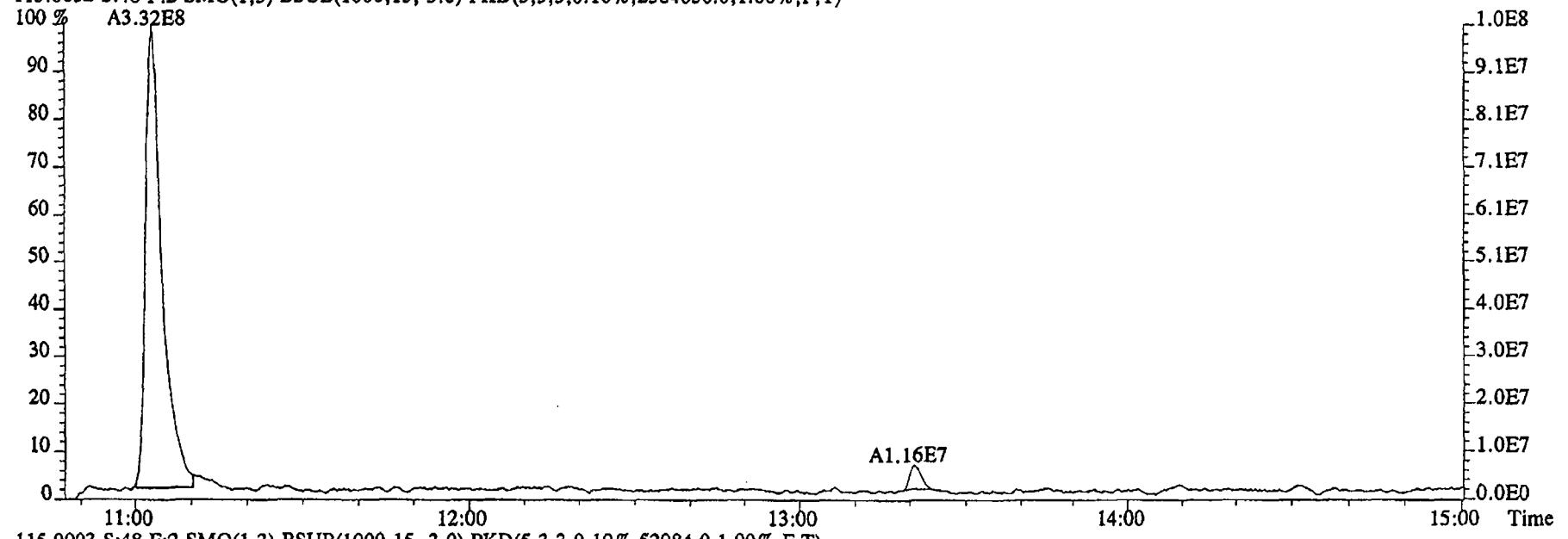
File:16DE045SP #1-481 Acq:17-DEC-2004 10:31:57 GC EI+ Voltage SIR 70SE
Sample#48 Text:GOR14-1-AA :G4L100385-5 Exp:NDMAVOA
74.0480 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,86840.0,1.00%,F,T)



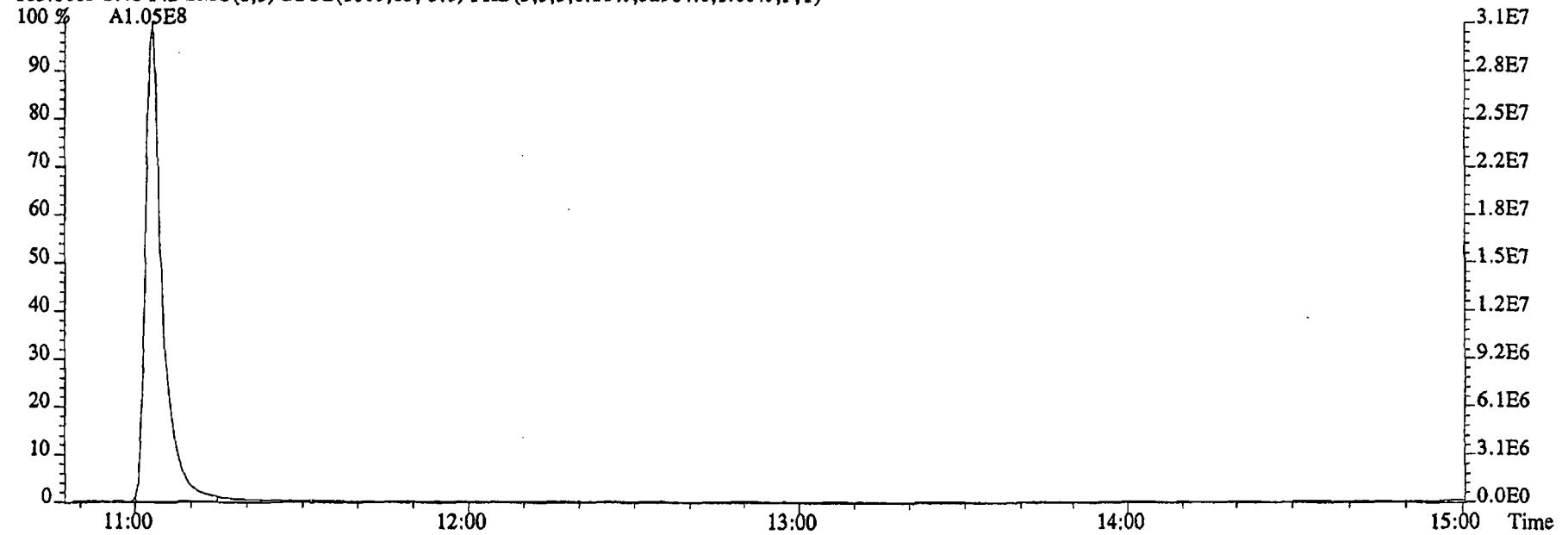
80.0857 S:48 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9884.0,1.00%,F,T)



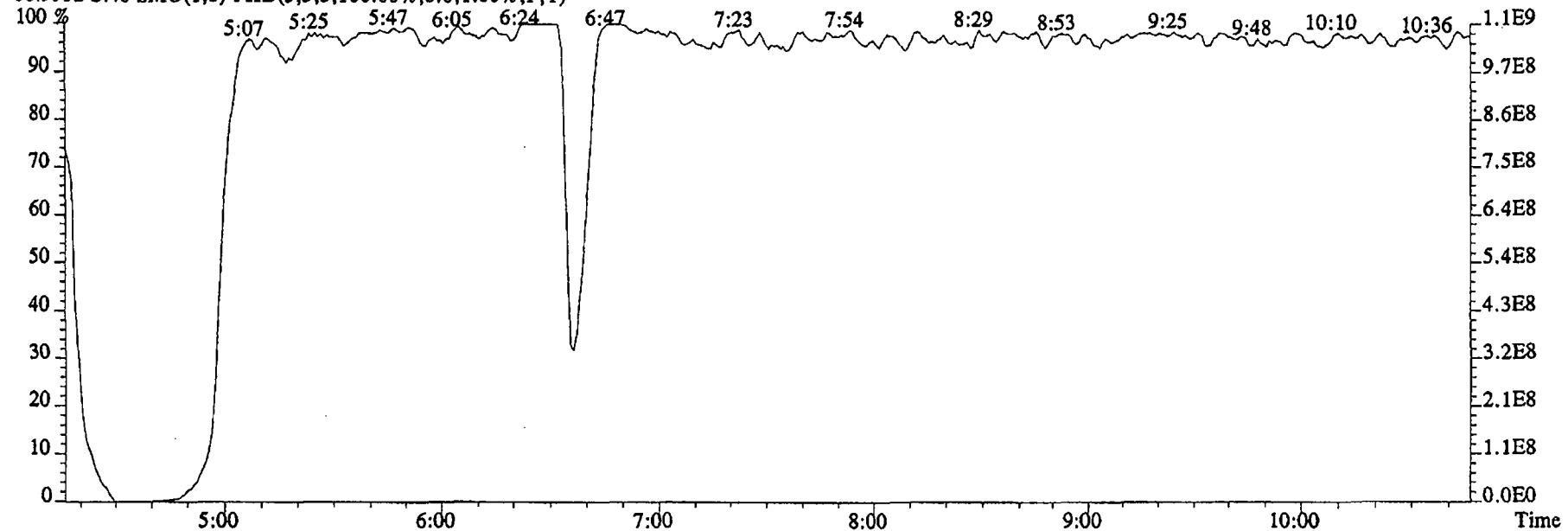
File:16DE04SSP #1-590 Acq:17-DEC-2004 10:31:57 GC EI + Voltage SIR 70SE
Sample#48 Text:GOR14-1-AA :G4L100385-5 Exp:NDMAVOA
113.0032 S:48 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2584056.0,1.00%,F,T)



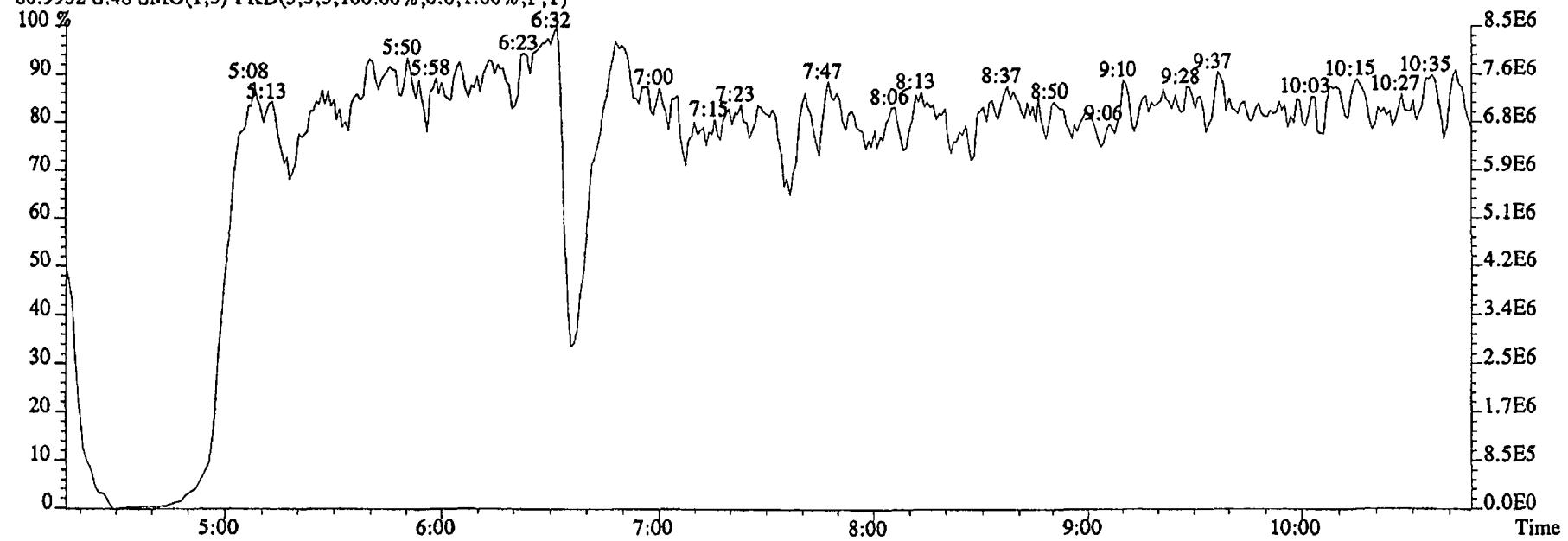
115.0003 S:48 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,52984.0,1.00%,F,T)



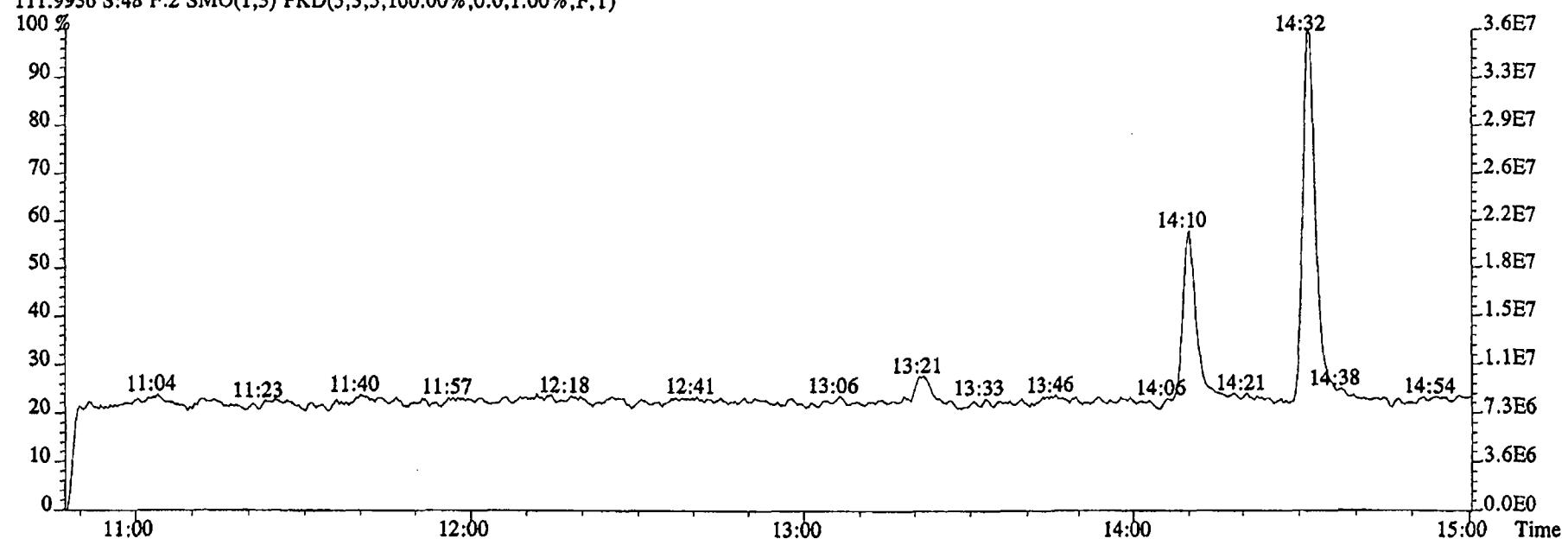
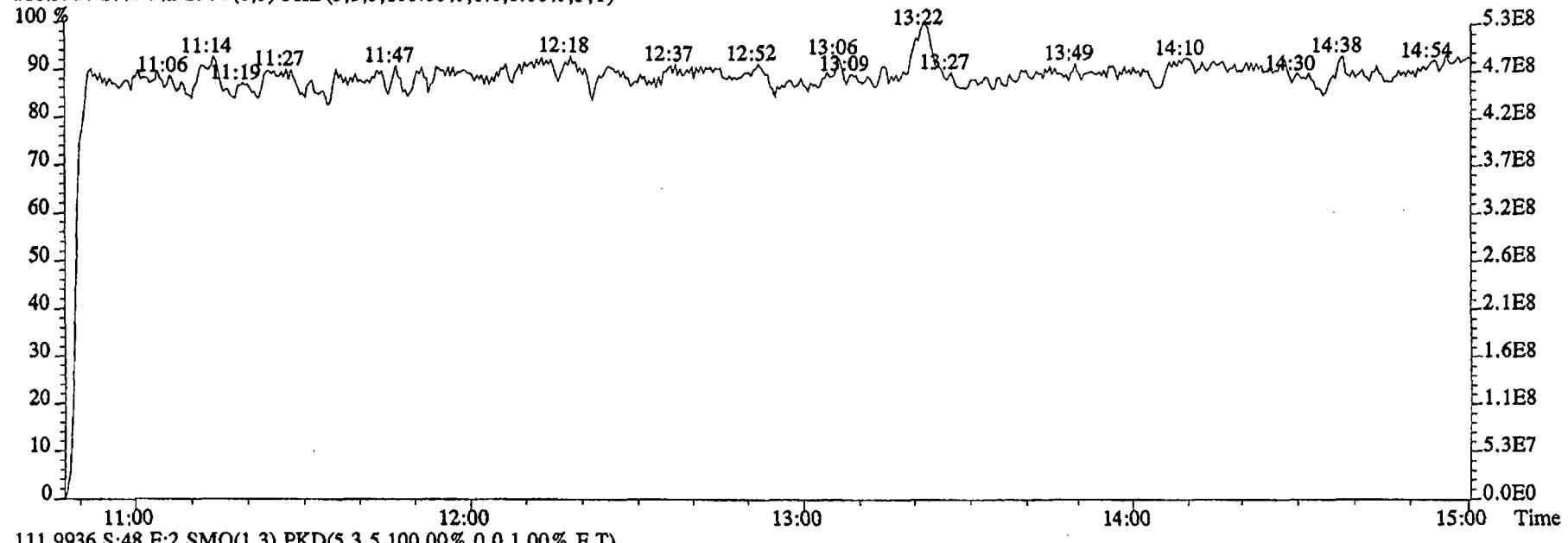
File:16DE04SSP #1-481 Acq:17-DEC-2004 10:31:57 GC EI+ Voltage SIR 70SE
Sample#48 Text:GOR14-1-AA :G4L100385-5 Exp:NDMAVOA
68.9952 S:48 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



80.9952 S:48 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:17-DEC-2004 10:31:57 GC EI+ Voltage SIR 70SE
 Sample#48 Text:G0R14-1-AA :G4L100385-5 Exp:NDMAVOA
 118.9920 S:48 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Quantitation Summary

STL

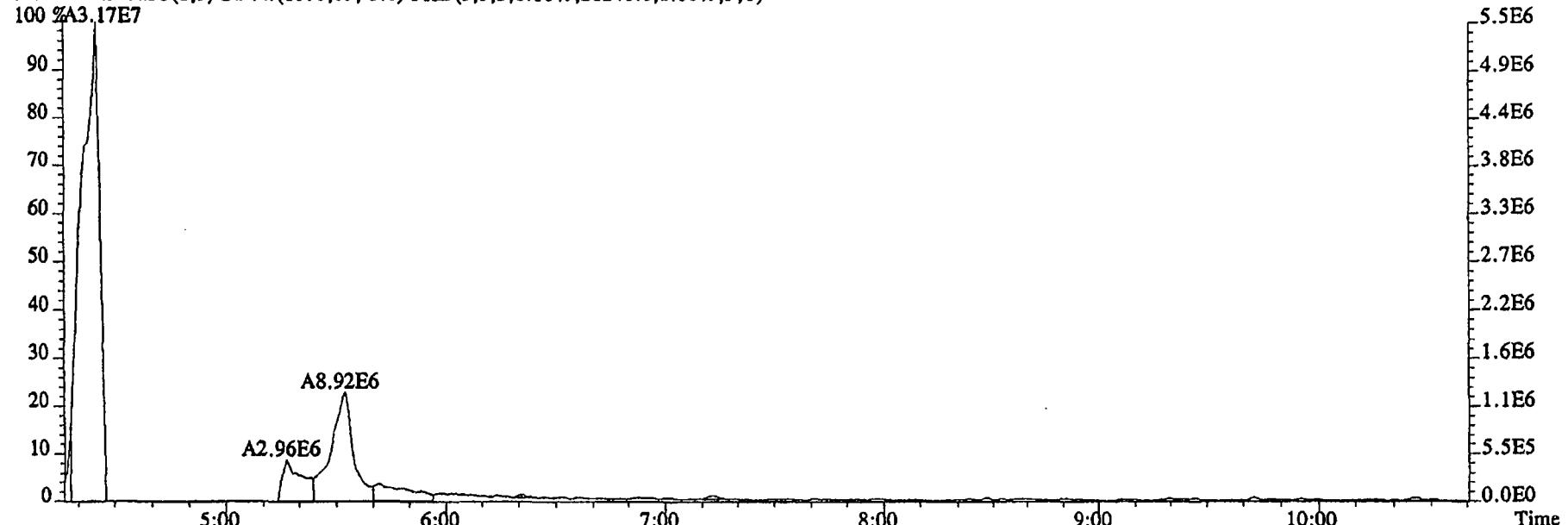
Page 3 of

Run text: G1NWF-1-AAB Sample text: G1NWF-1-AAB :G4L080479-1MBRX
 Run #8 Filename: 29DE045SP S: 9 I: 1 Results: 29DE045SP1625
 Acquired: 29-DEC-04 16:14:36 Processed: 29-DEC-04 21:42:52
 Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

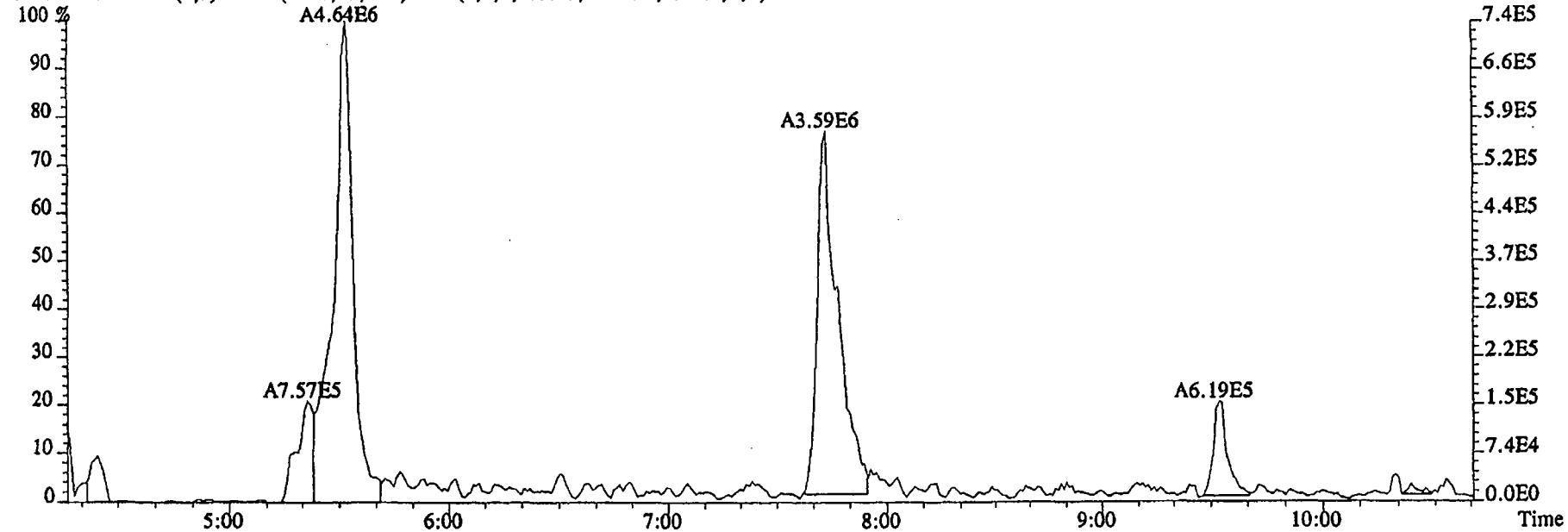
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	135092000		11:09	-	727.08	-	-	n
D8-1,4-Dioxane	756893		5:21	1.11	1.01	0.28	0.1	n
1,4-Dioxane	2961720		5:16	1.89	2070.75	219.59	-	n
D5-123-TriChloroPropane	169729000		10:06	2.68	93.59	0.03	93.6	n
1,2,3-TriChloroPropane	211167		10:10	0.44	0.28	0.16	-	n
1,2,3-TriChloroPropane	598397		10:10	-	0.90	-	-	n
D6-NDMA	35242400		10:17	1.68	31.01	0.00	31.0	n
NDMA	8483810		10:16	1.37	17.60	1.16	-	n
2-Chloropyridine	418477000		11:09	-	711.63	-	-	n

(2/30/04)

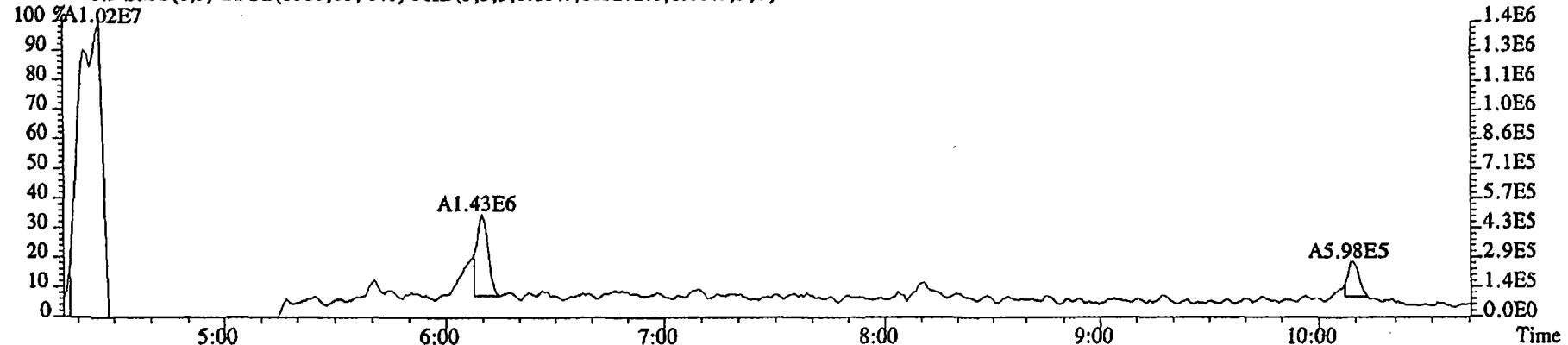
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
88.0524 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21248.0,1.00%,F,T)



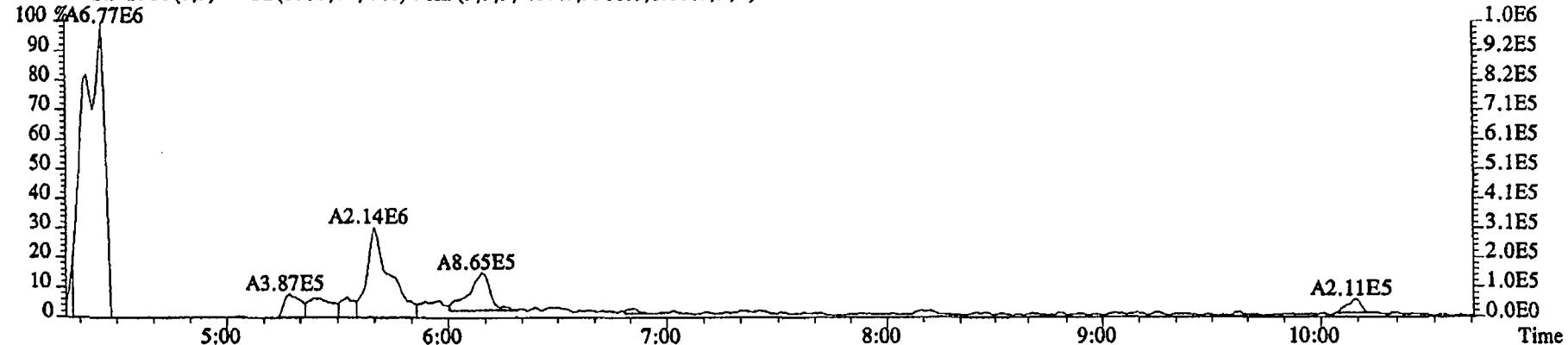
96.1026 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21412.0,1.00%,F,T)



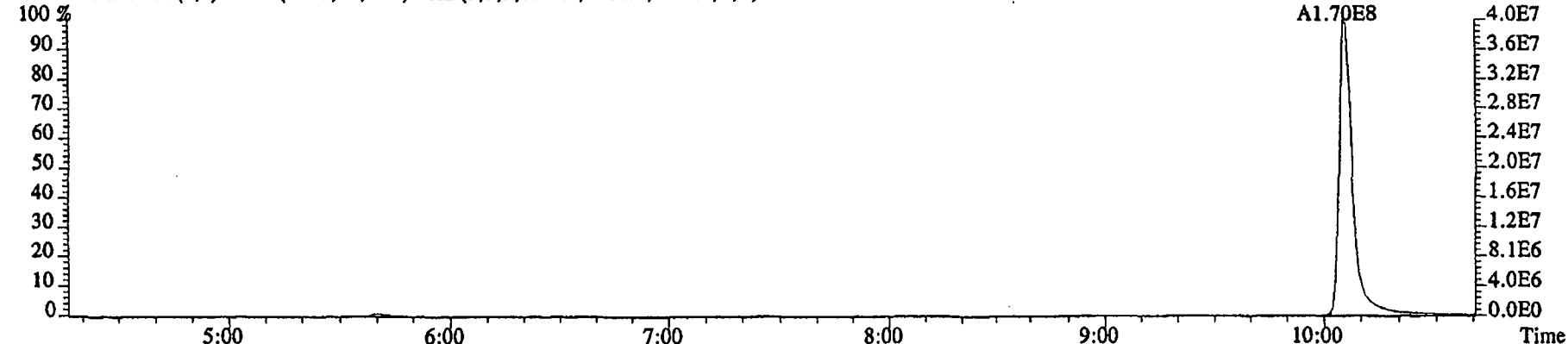
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
 Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
 75.0002 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,115272.0,1.00%,F,T)



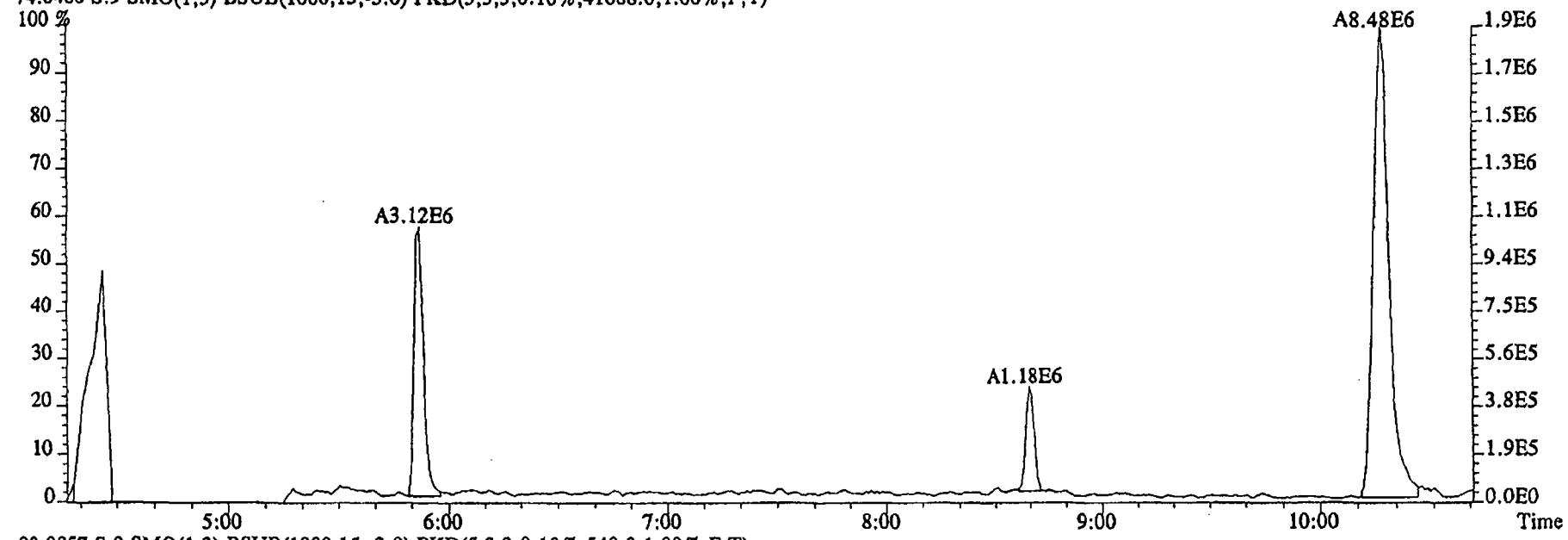
76.9972 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9308.0,1.00%,F,T)



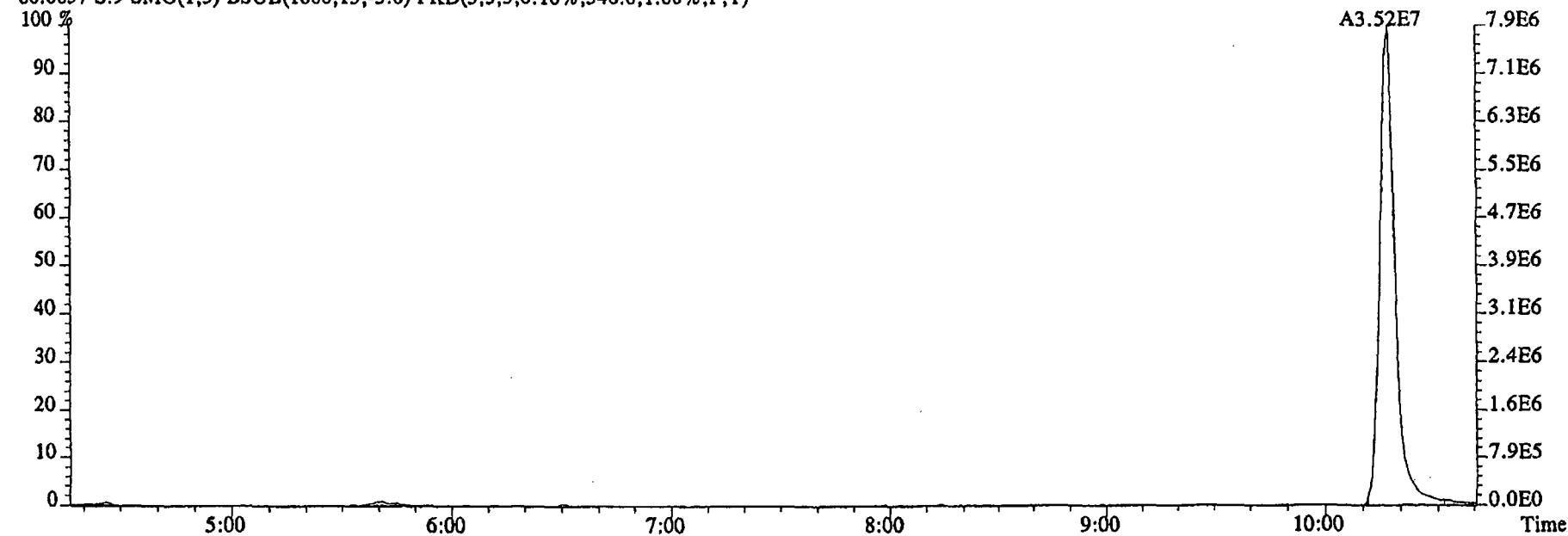
79.0253 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6288.0,1.00%,F,T)



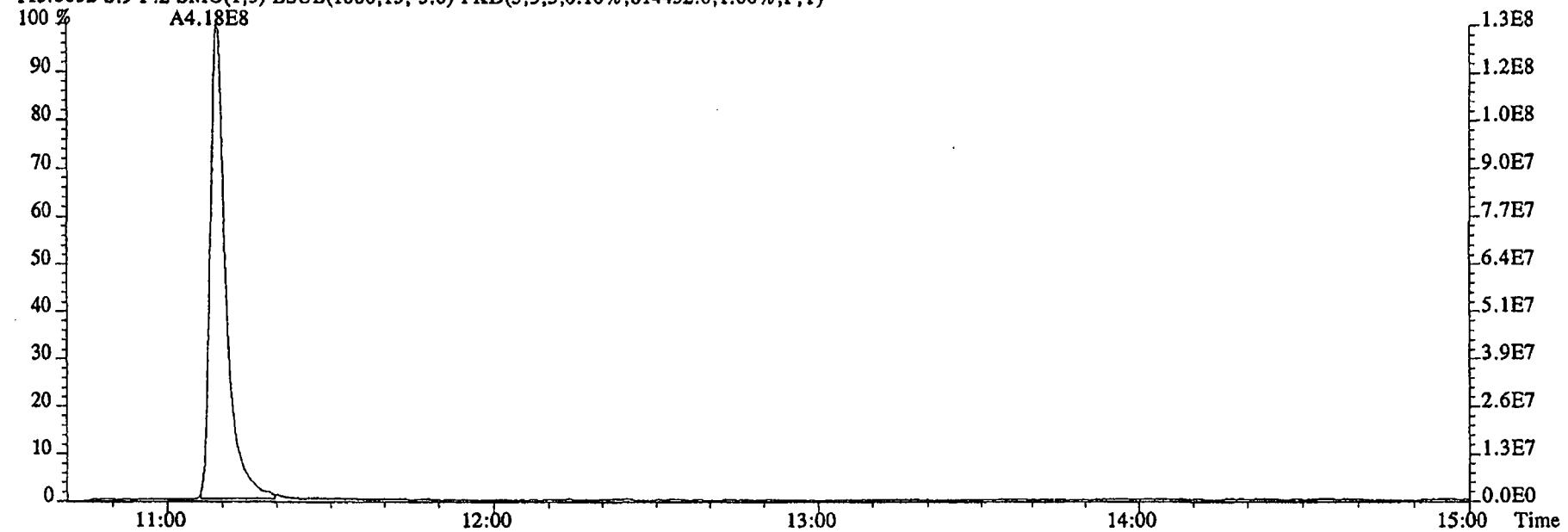
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
 Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
 74.0480 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41688.0,1.00%,F,T)



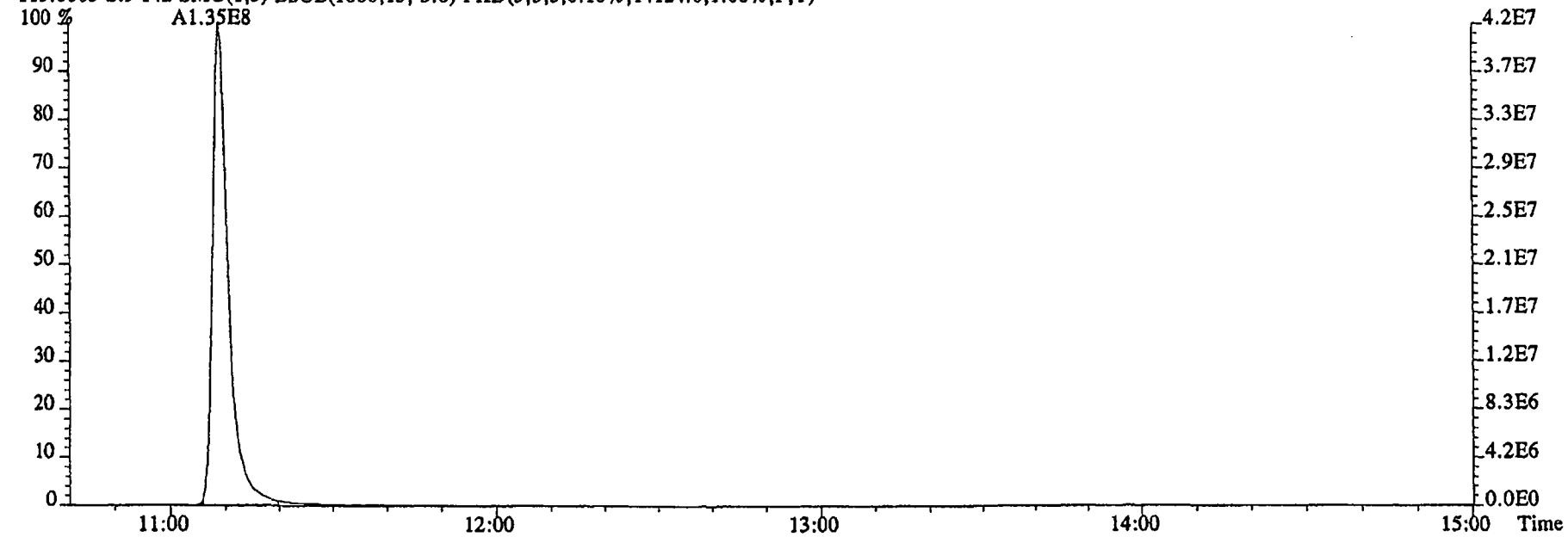
80.0857 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,548.0,1.00%,F,T)



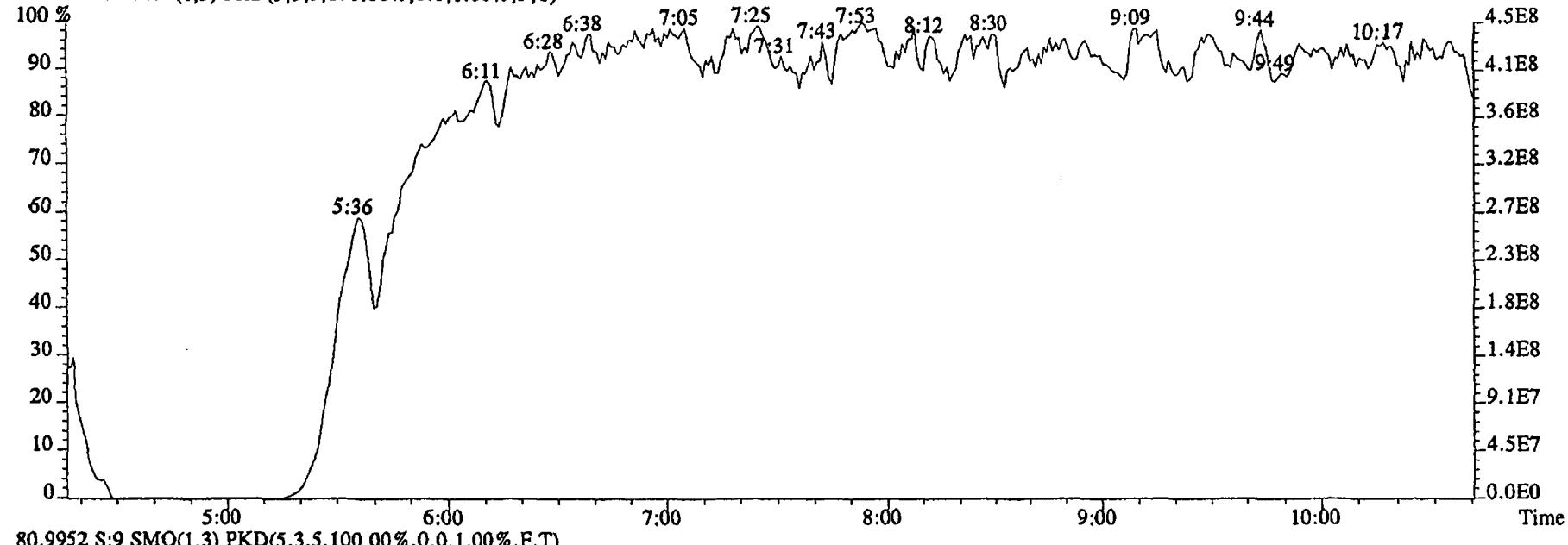
File:29DE045SP #1-602 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
113.0032 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,614452.0,1.00%,F,T)



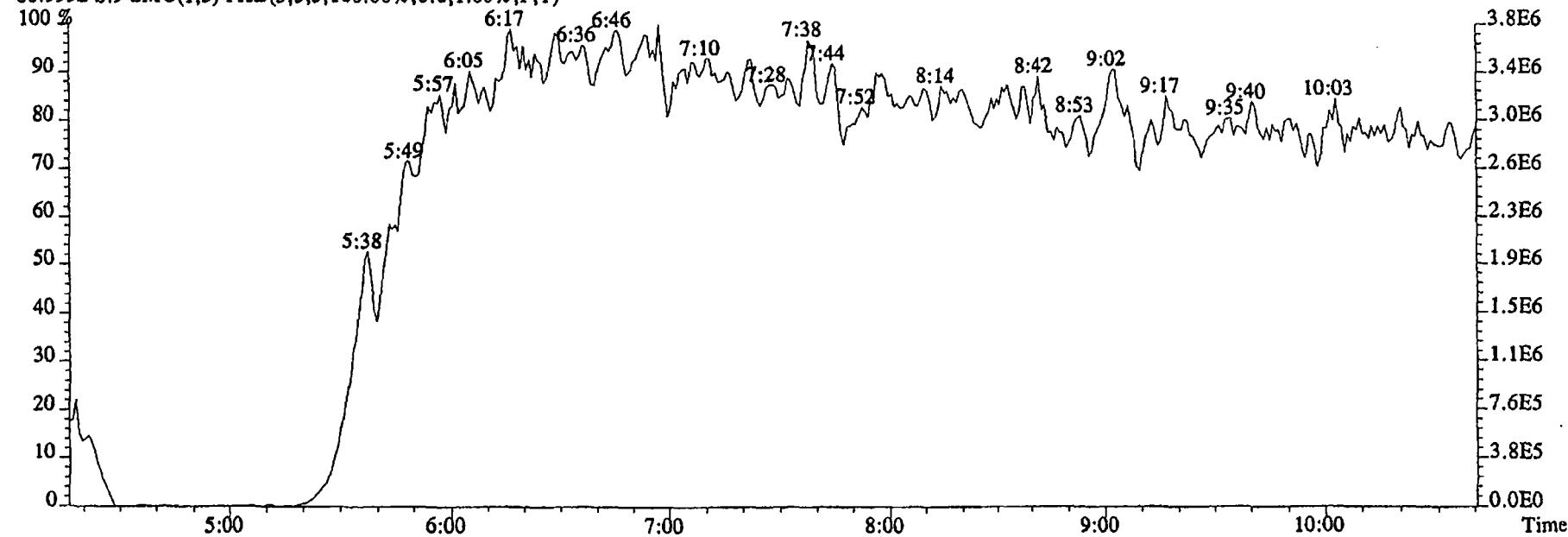
115.0003 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14124.0,1.00%,F,T)



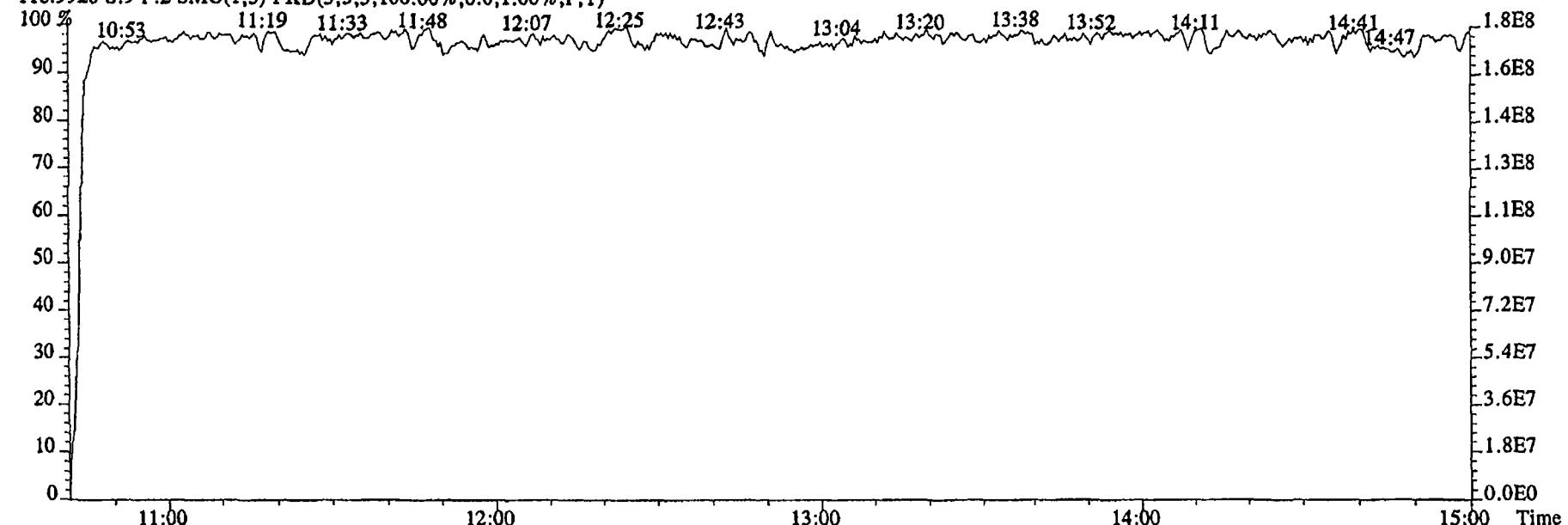
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI + Voltage SIR 70SE
 Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
 68.9952 S:9 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



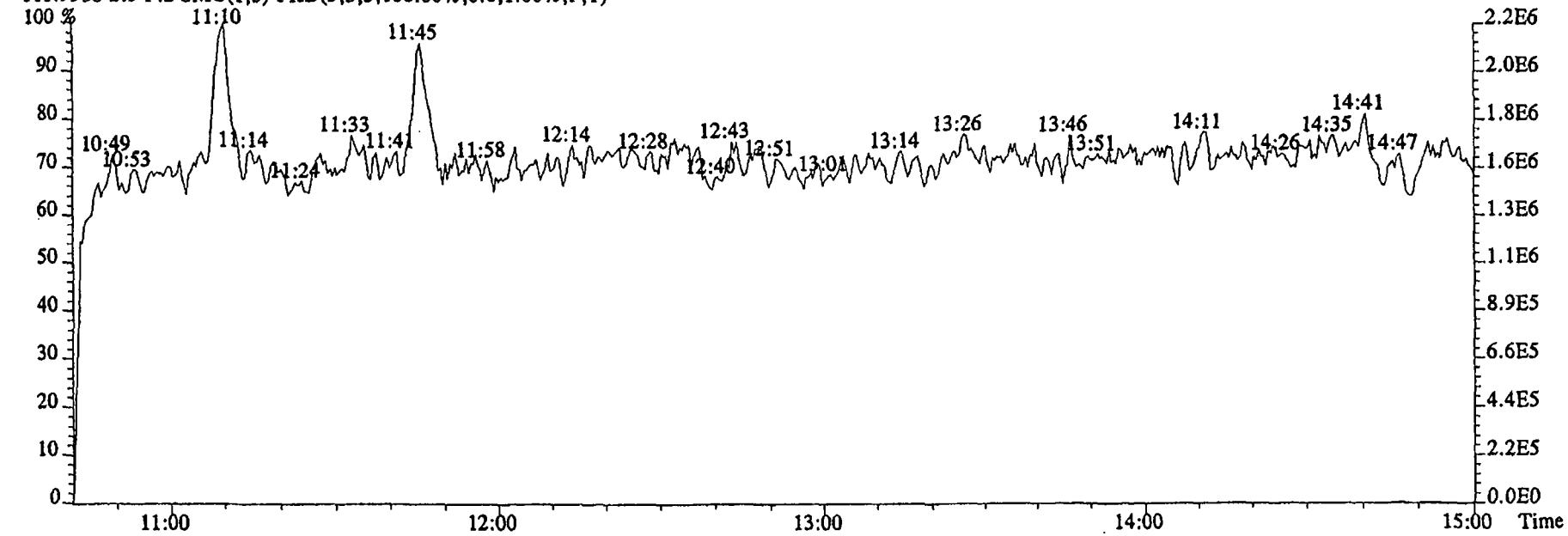
80.9952 S:9 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 16:14:36 GC EI + Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
118.9920 S:9 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:9 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Quantitation Summary STL

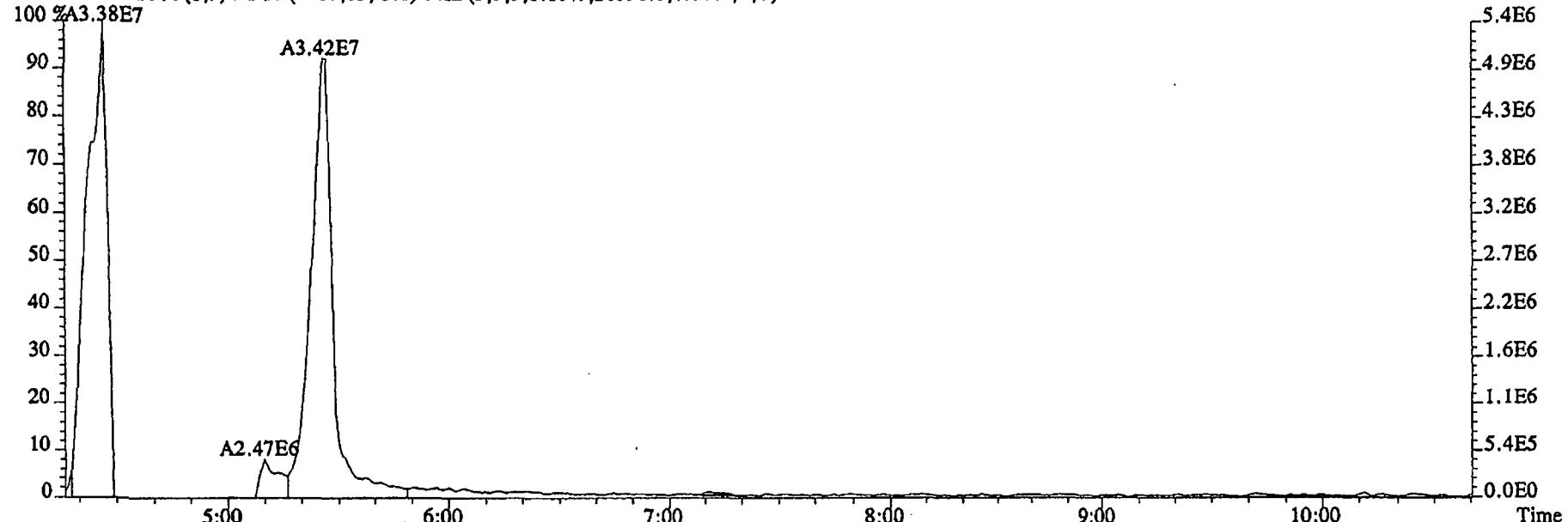
Page 4 of

Run text: G1NWF-1-ACC Sample text: G1NWF-1-ACC :G4L080479-1LCSRX
 Run #9 Filename: 29DE045SP S: 10 I: 1 Results: 29DE045SP1625
 Acquired: 29-DEC-04 16:35:02 Processed: 29-DEC-04 21:42:52
 Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

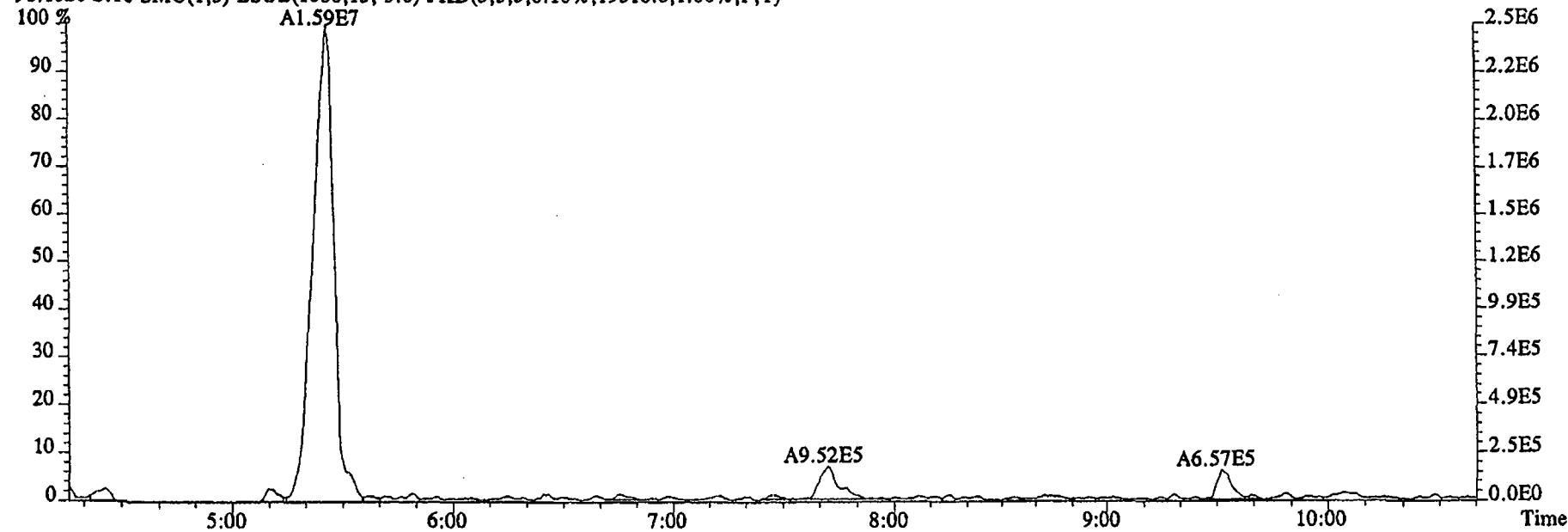
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	81943200		11:08	-	441.03	-	-	n
D8-1,4-Dioxane	260725		5:10	1.11	0.57	0.40	0.1	n
1,4-Dioxane	2467180		5:10	1.89	5007.69	648.53	-	n
D5-123-TriChloroPropane	112154000		10:05	2.68	101.96	0.03	102.0	n
1,2,3-TriChloroPropane	45763900		10:09	0.44	92.95	0.26	-	n
1,2,3-TriChloroPropane	151106000		10:09	-	226.71	-	-	n
D6-NDMA	21374400		10:16	1.68	31.01	0.01	31.0	n
NDMA	34795600		10:15	1.37	119.02	✓ 1.79	-	n
2-Chloropyridine	252550000		11:08	-	429.47	-	-	n

✓ ✓ ✓ ✓ ✓

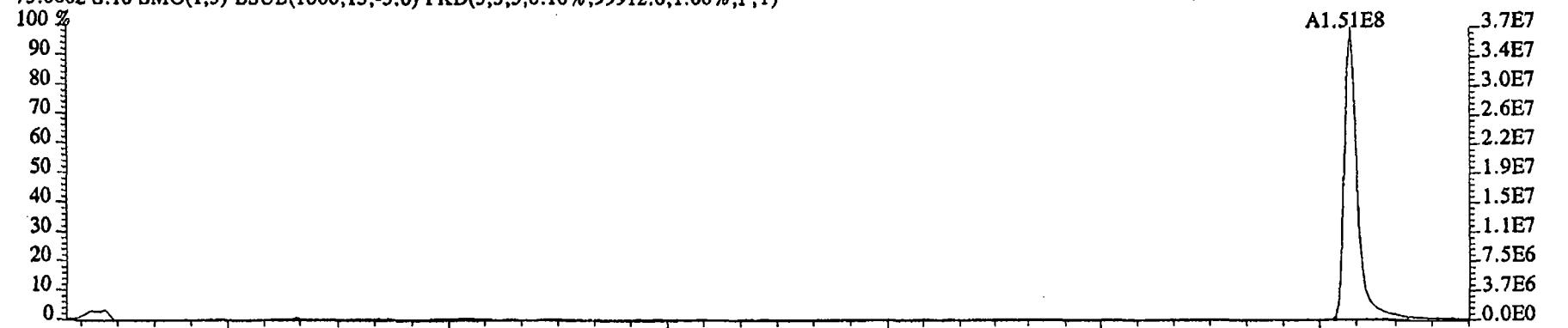
File:29DE04SSP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
 Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
 88.0524 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26596.0,1.00%,F,T)



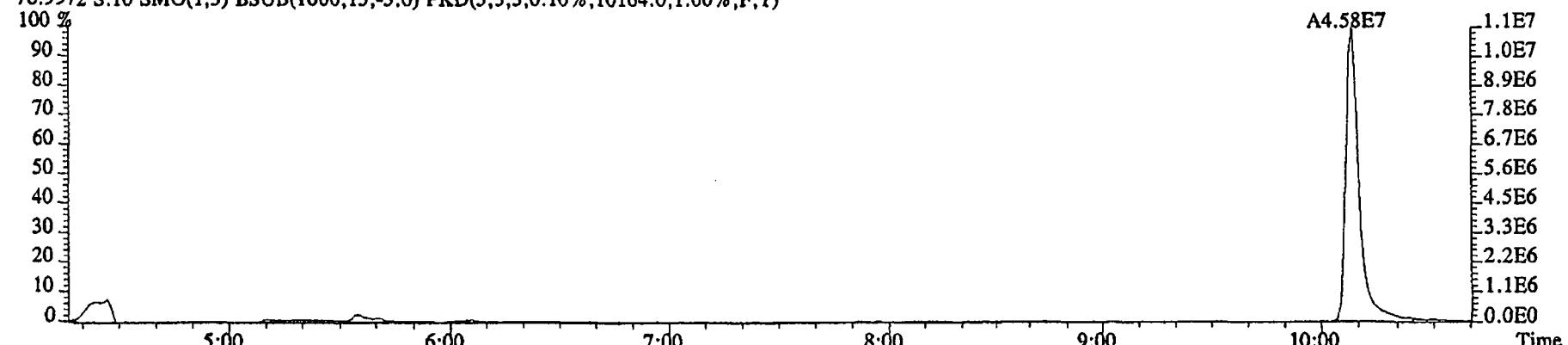
96.1026 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19316.0,1.00%,F,T)



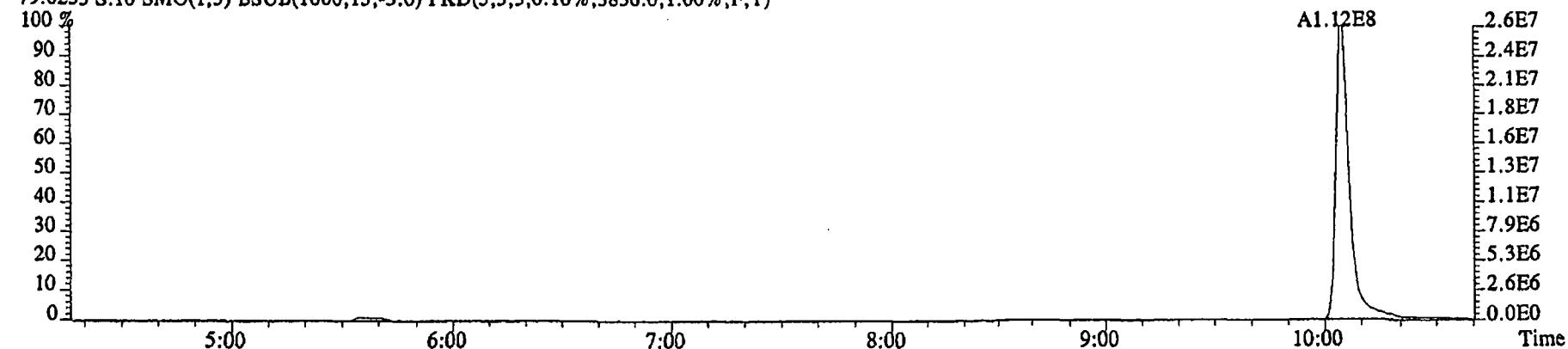
File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
75.0002 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99912.0,1.00%,F,T)



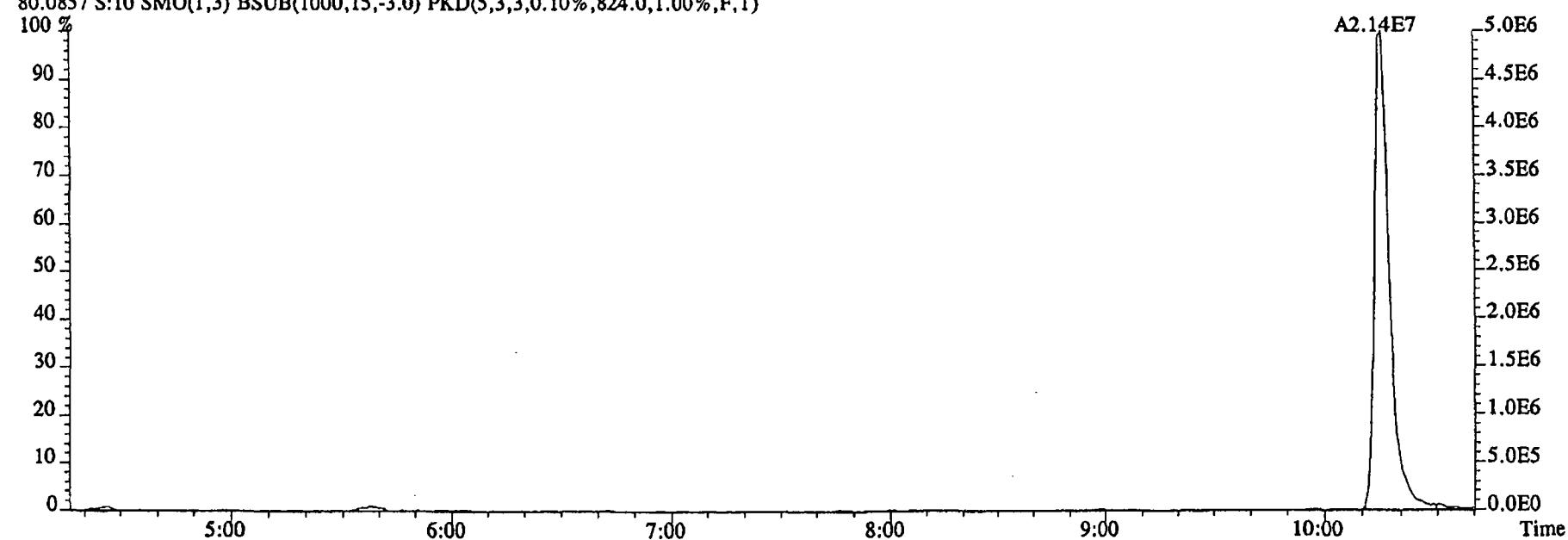
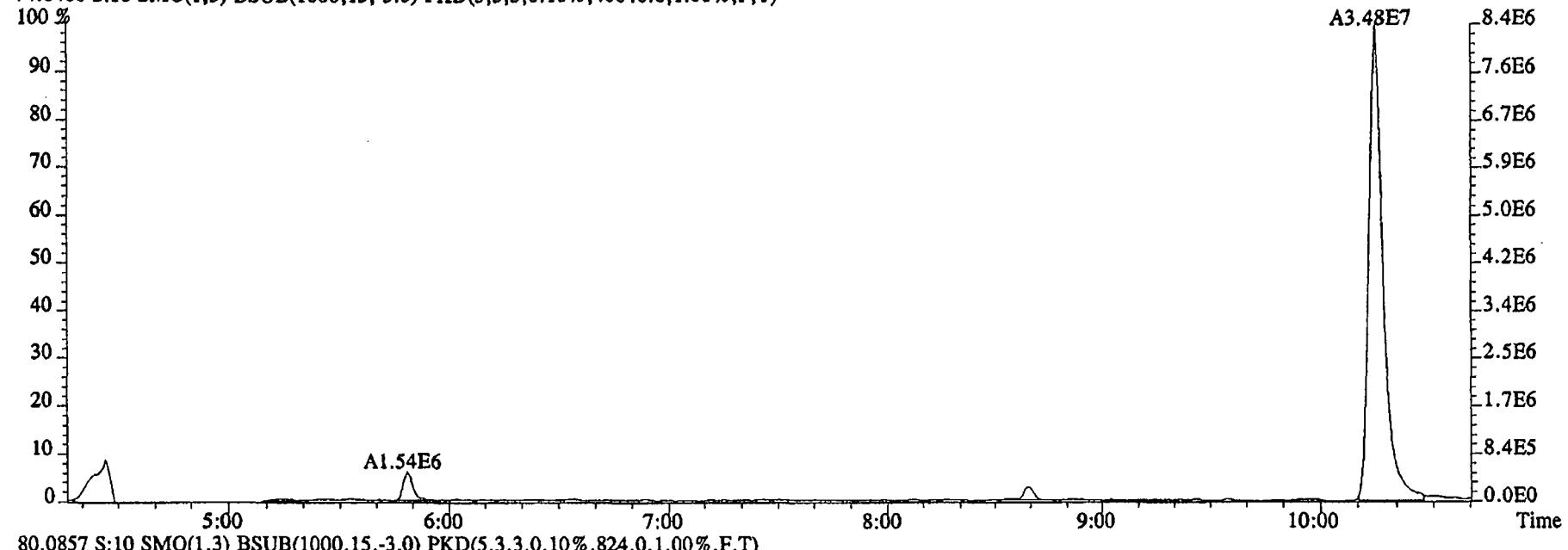
76.9972 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10164.0,1.00%,F,T)



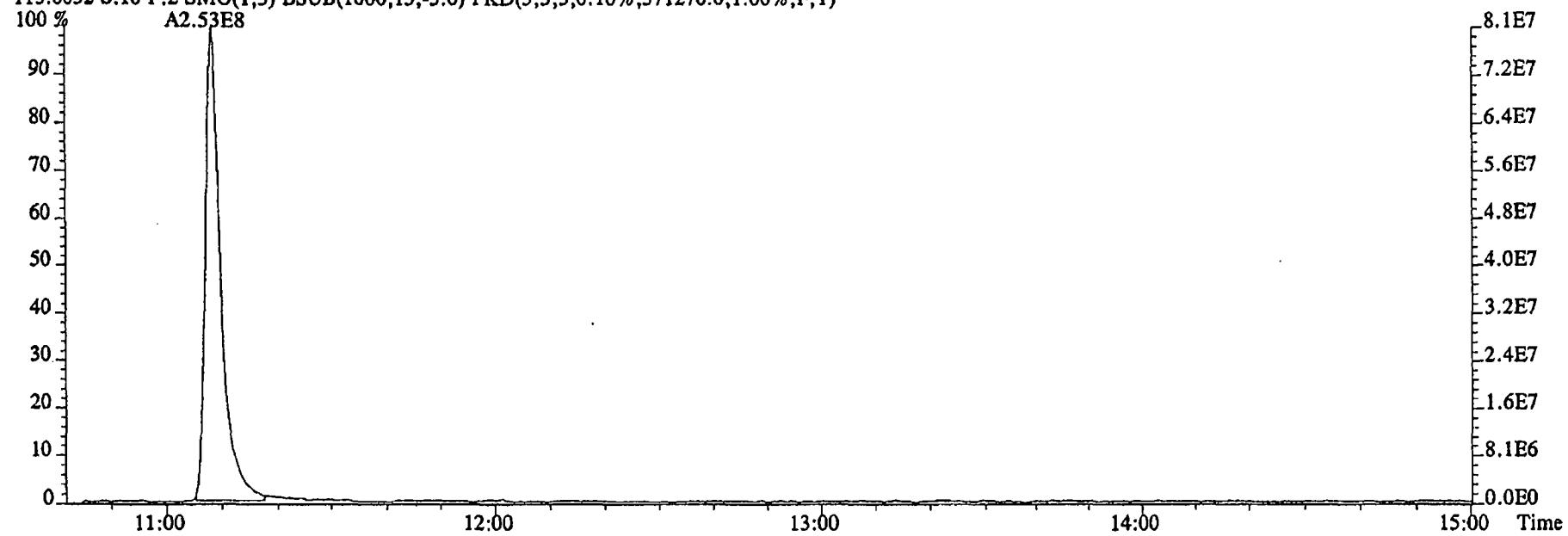
79.0253 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3836.0,1.00%,F,T)



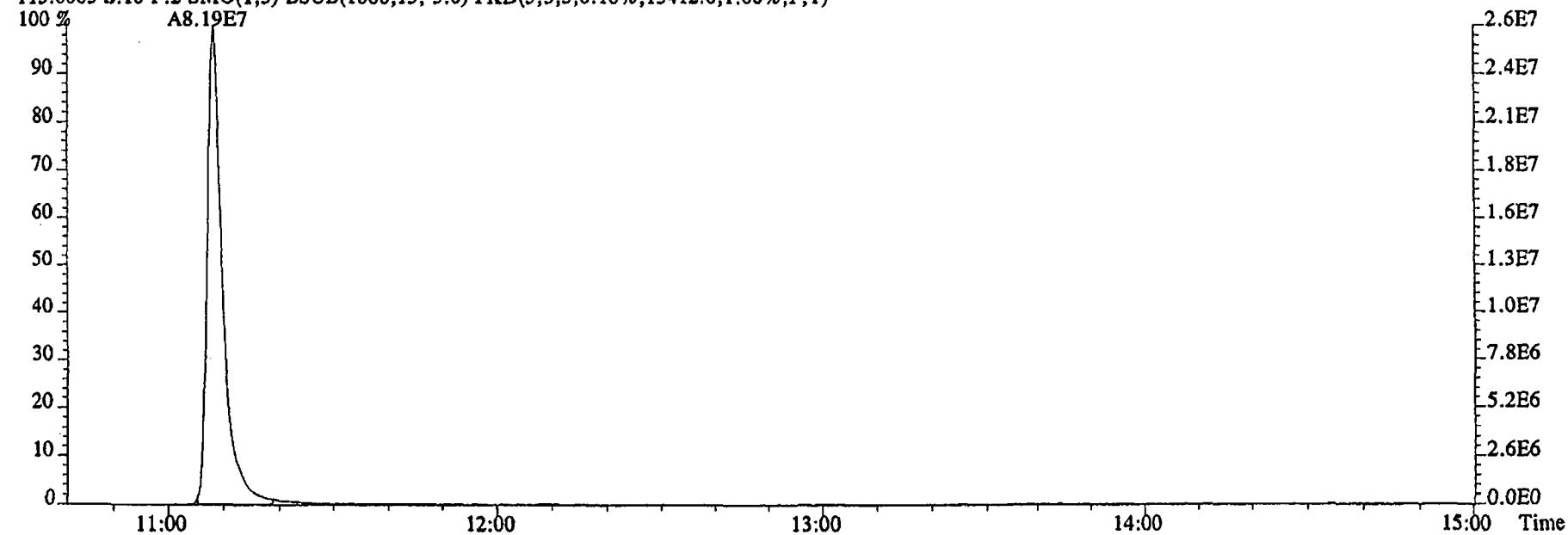
File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
74.0480 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40640.0,1.00%,F,T)



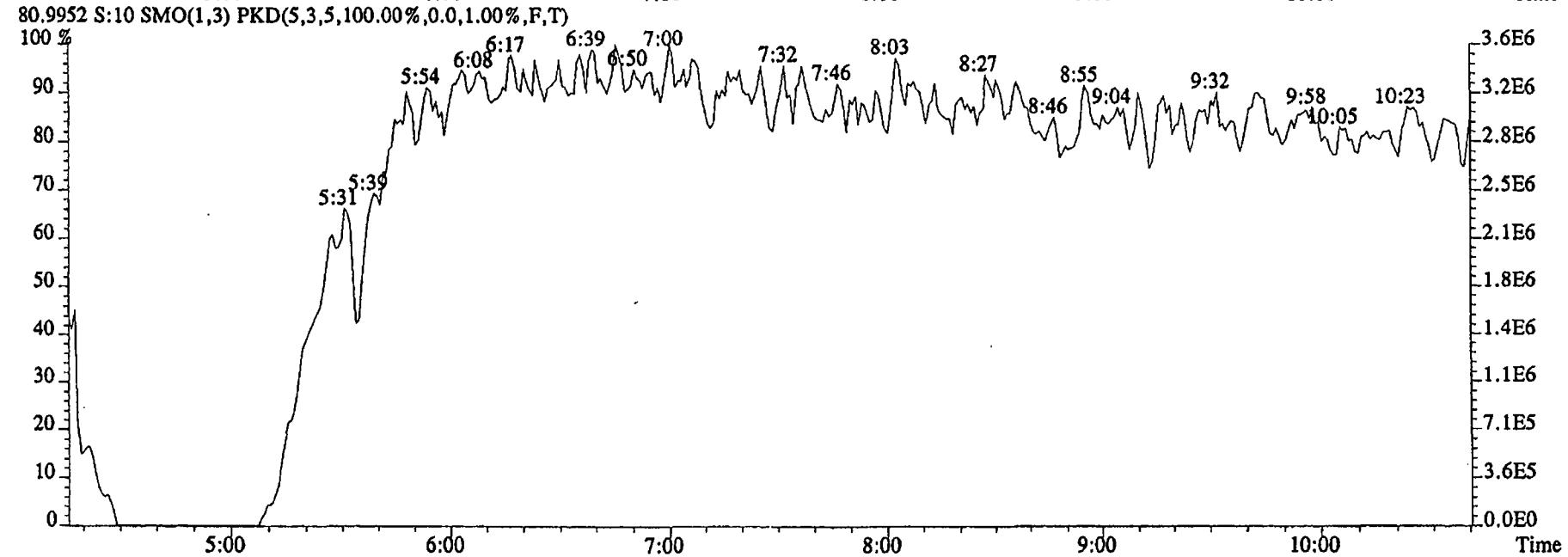
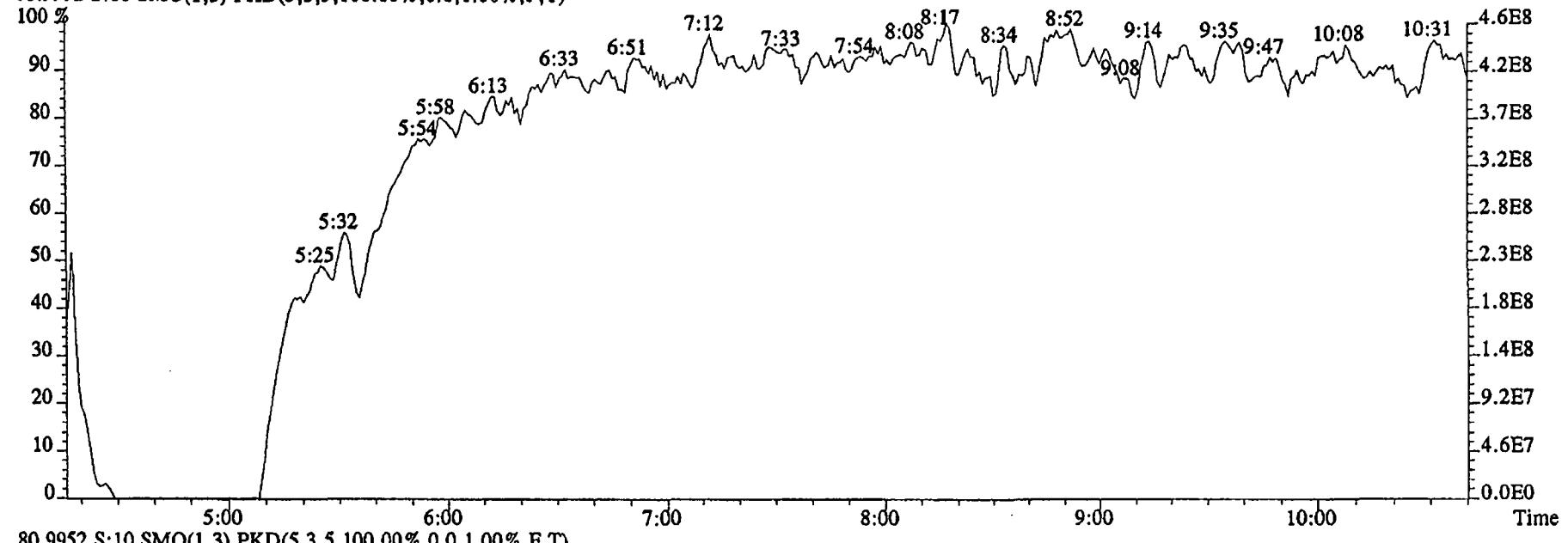
File:29DE045SP #1-603 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
113.0032 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,571276.0,1.00%,F,T)



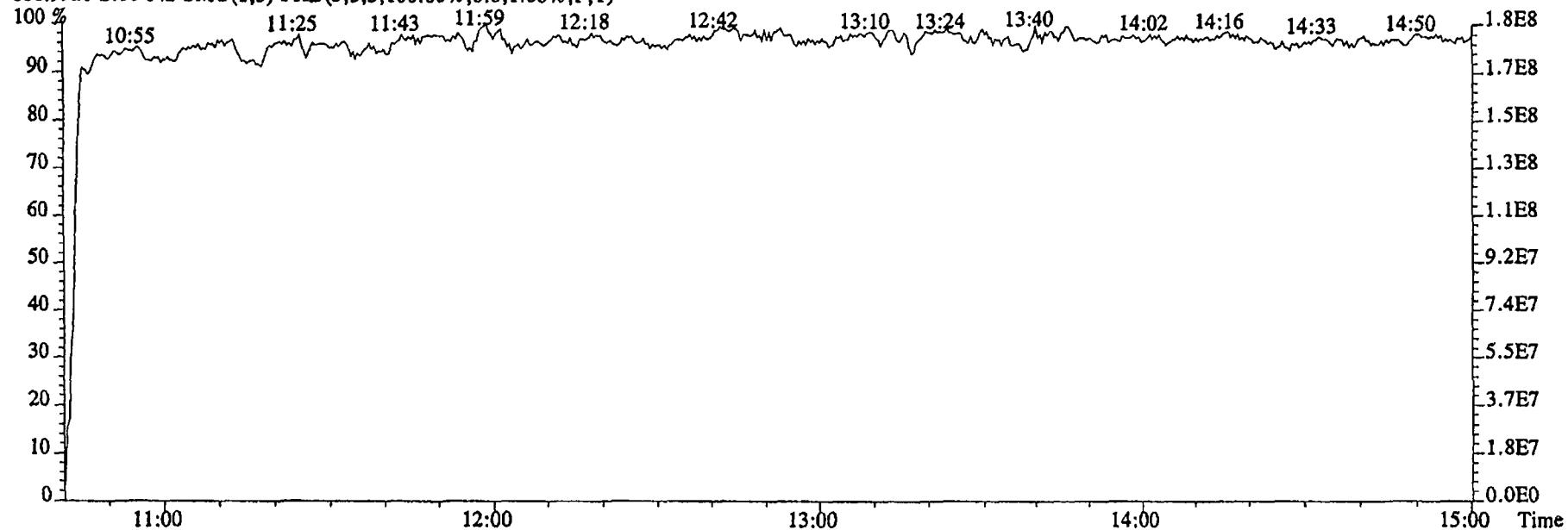
115.00003 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13412.0,1.00%,F,T)



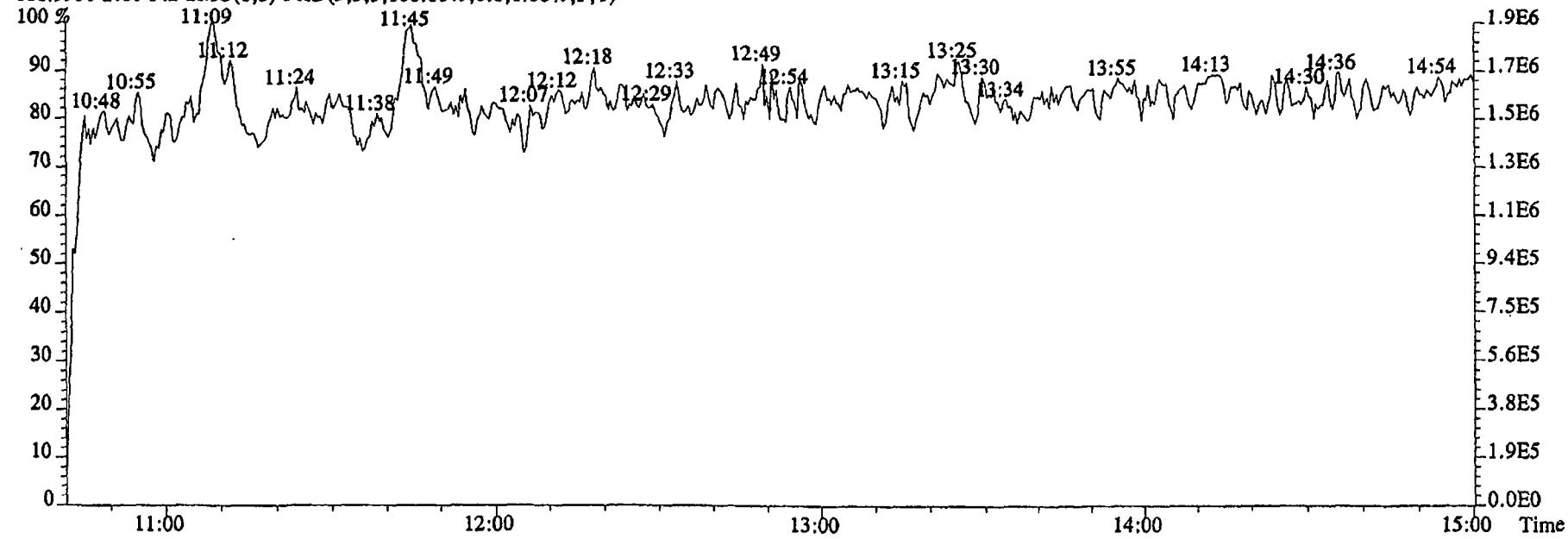
File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
 Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
 68.9952 S:10 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
118.9920 S:10 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:10 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Quantitation Summary

STL

Page 20 of

Run text: G0R14-2-AA Sample text: G0R14-2-AA :G4L100385-5RX
 Run #25 Filename: 29DE045SP S: 26 I: 1 Results: 29DE045SP1625
 Acquired: 29-DEC-04 22:01:01 Processed: 30-DEC-04 15:28:52
 Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.915 L

Name	Resp	RA	RT	RRF	Conc	el	EDL	Rec	M
2-Chloropyridine	64558200		11:06	-	379.74		-	-	n
D8-1,4-Dioxane	4074160		5:08	1.11	12.43		4.40	1.1	n
1,4-Dioxane	483450		5:08	1.89	68.63		37.24	-	n
D5-123-TriChloroPropane	73347700		10:02	2.68	92.50		0.11	84.6	n
1,2,3-TriChloroPropane	62290		10:03	0.44	0.21 NA		0.43	-	n
1,2,3-TriChloroPropane	118124		10:04	-	0.19		-	-	n
D6-NDMA	14310000		10:13	1.68	28.80		0.04	26.4	n
NDMA	250158		10:12	1.37	1.40 42.8		2.84 6.99	-	y
2-Chloropyridine	202780000		11:06	-	376.86		-	-	n

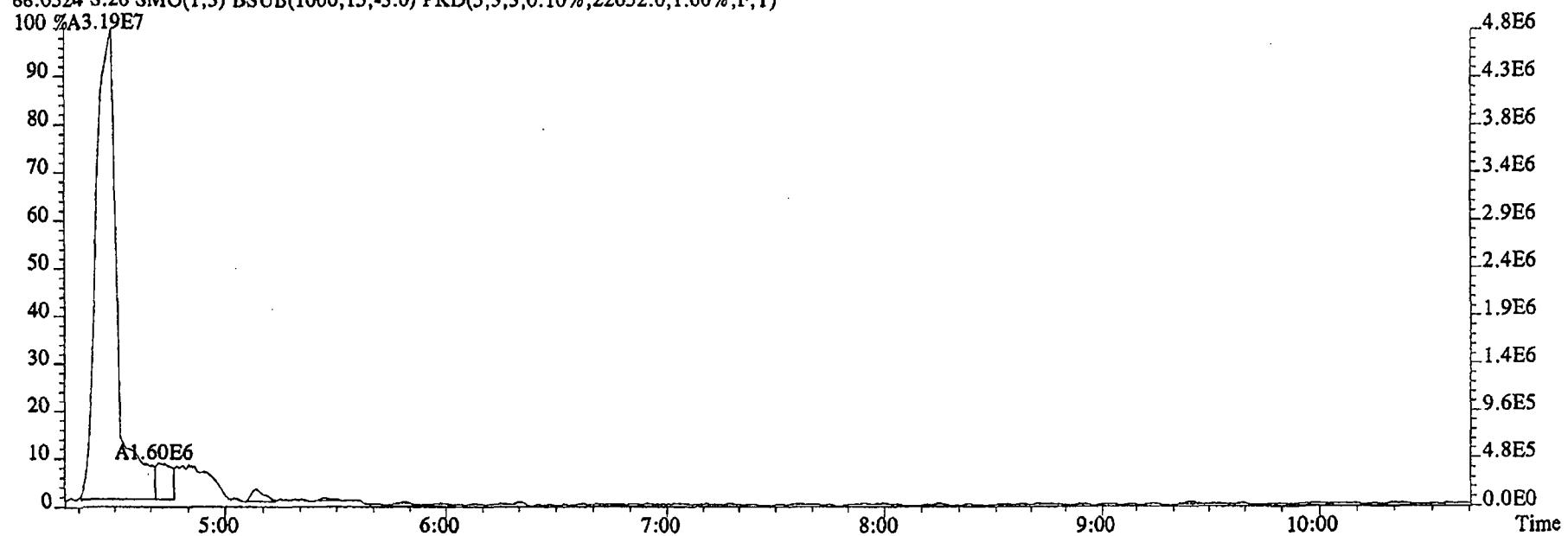
12-20-04
J

Run text: G0R14-2-AA Sample text: G0R14-2-AA :G4L100385-5RX
 Run #25 Filename: 29DE045SP S: 26 I: 1 Results: 29DE045SP1625
 Acquired: 29-DEC-04 22:01:01 Processed: 30-DEC-04 15:28:52
 Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
 Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.915 L

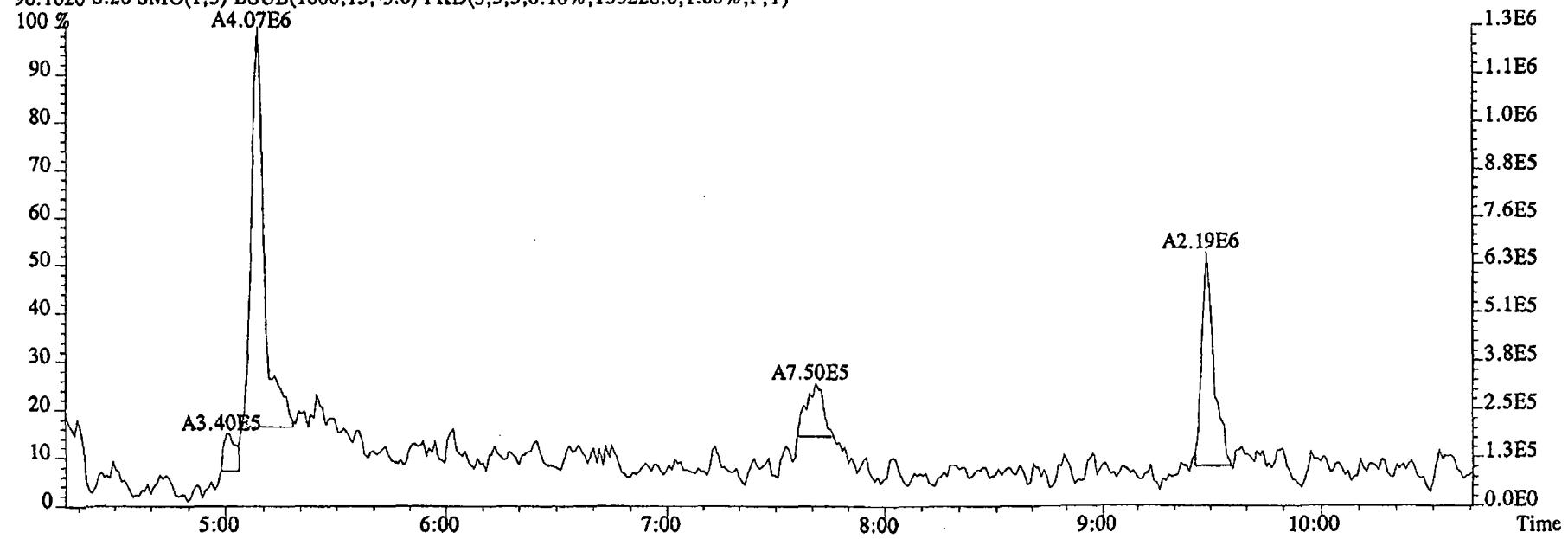
Name	Resp	RA	RT	RRF	Conc	oL	EDL	Rec	M
2-Chloropyridine	64558200		11:06	-	379.74		-	-	n
D8-1,4-Dioxane	4074160		5:08	1.11	12.43		4.40	1.1	n
1,4-Dioxane	483450		5:08	1.89	68.63		37.24	-	n
D5-123-TriChloroPropane	73347700		10:02	2.68	92.50		0.11	84.6	n
1,2,3-TriChloroPropane	62290		10:03	0.44	0.21	N/A	0.43	-	n
1,2,3-TriChloroPropane	118124		10:04	-	0.19		-	-	n
D6-NDMA	14310000		10:13	1.68	28.80		0.04	26.4	n
NDMA	198245		10:12	1.37	1.11	42.0	2.84	-	n
2-Chloropyridine	202780000		11:06	-	376.86		-	-	n

12-3-04
eW

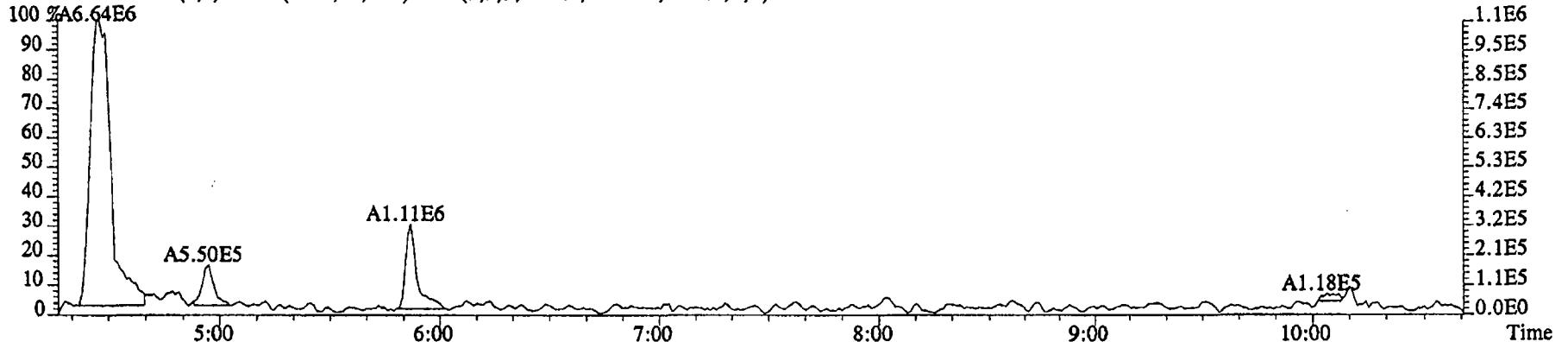
File:29DE04SSP #1-474 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
Sample#26 Text:G0R14-2-AA :G4L100385-5RX Exp:NDMAVOA
88.0524 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22652.0,1.00%,F,T)
100 %A3.19E7



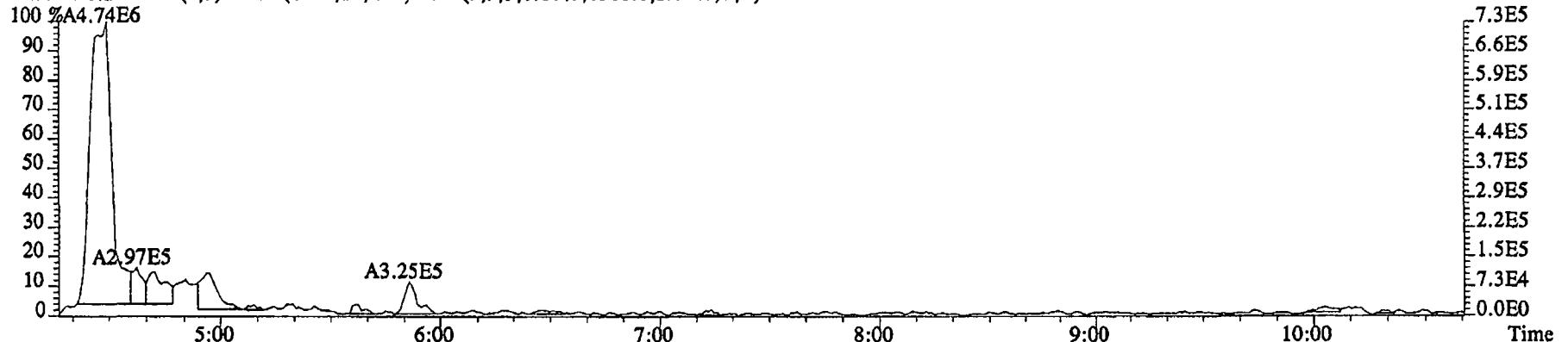
96.1026 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,133228.0,1.00%,F,T)



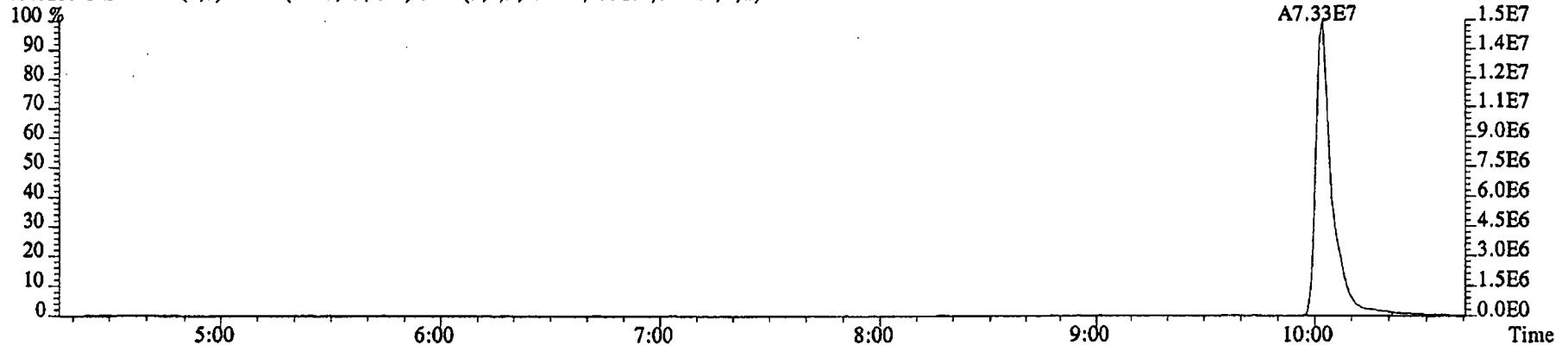
File:29DE045SP #1-474 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
 Sample#26 Text:G0R14-2-AA :G4L100385-5RX Exp:NDMAVOA
 75.0002 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35328.0,1.00%,F,T)



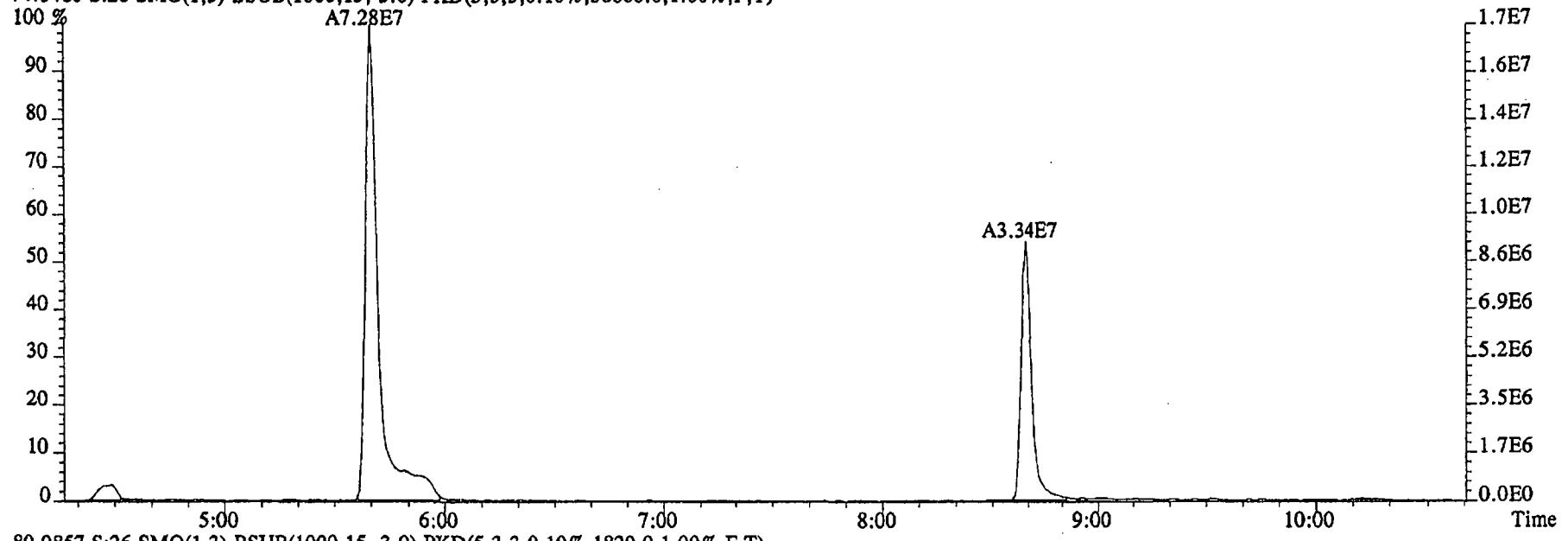
76.9972 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8568.0,1.00%,F,T)



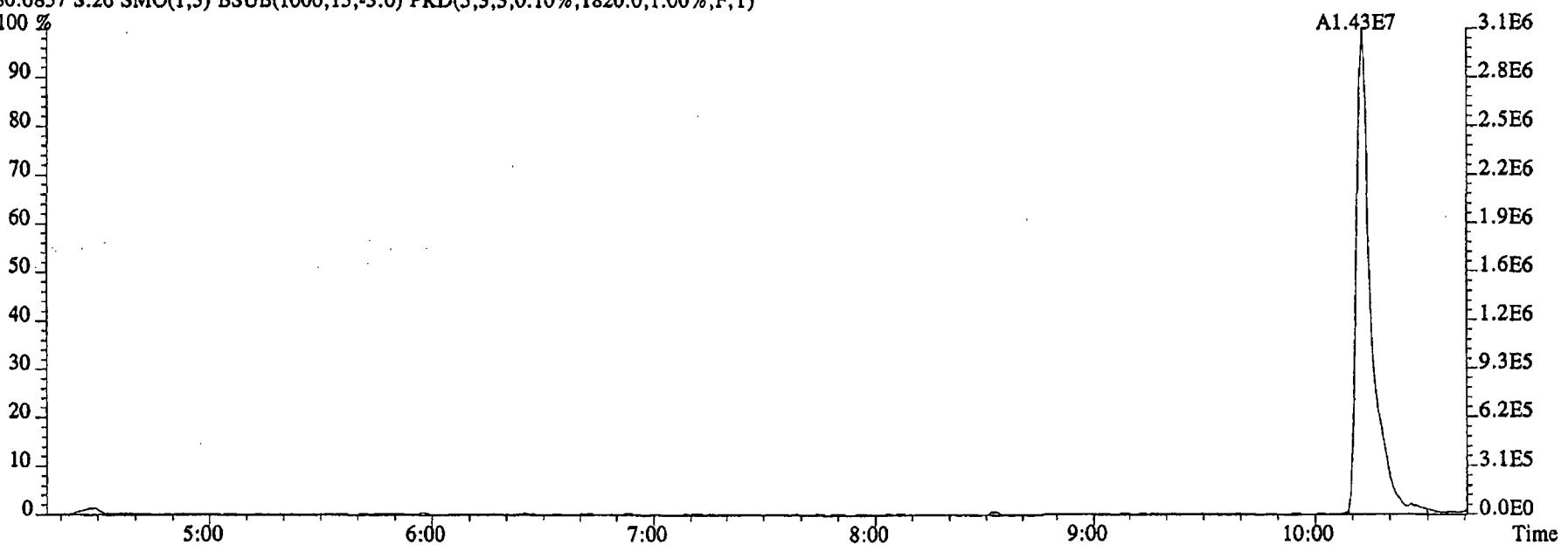
79.0253 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7992.0,1.00%,F,T)



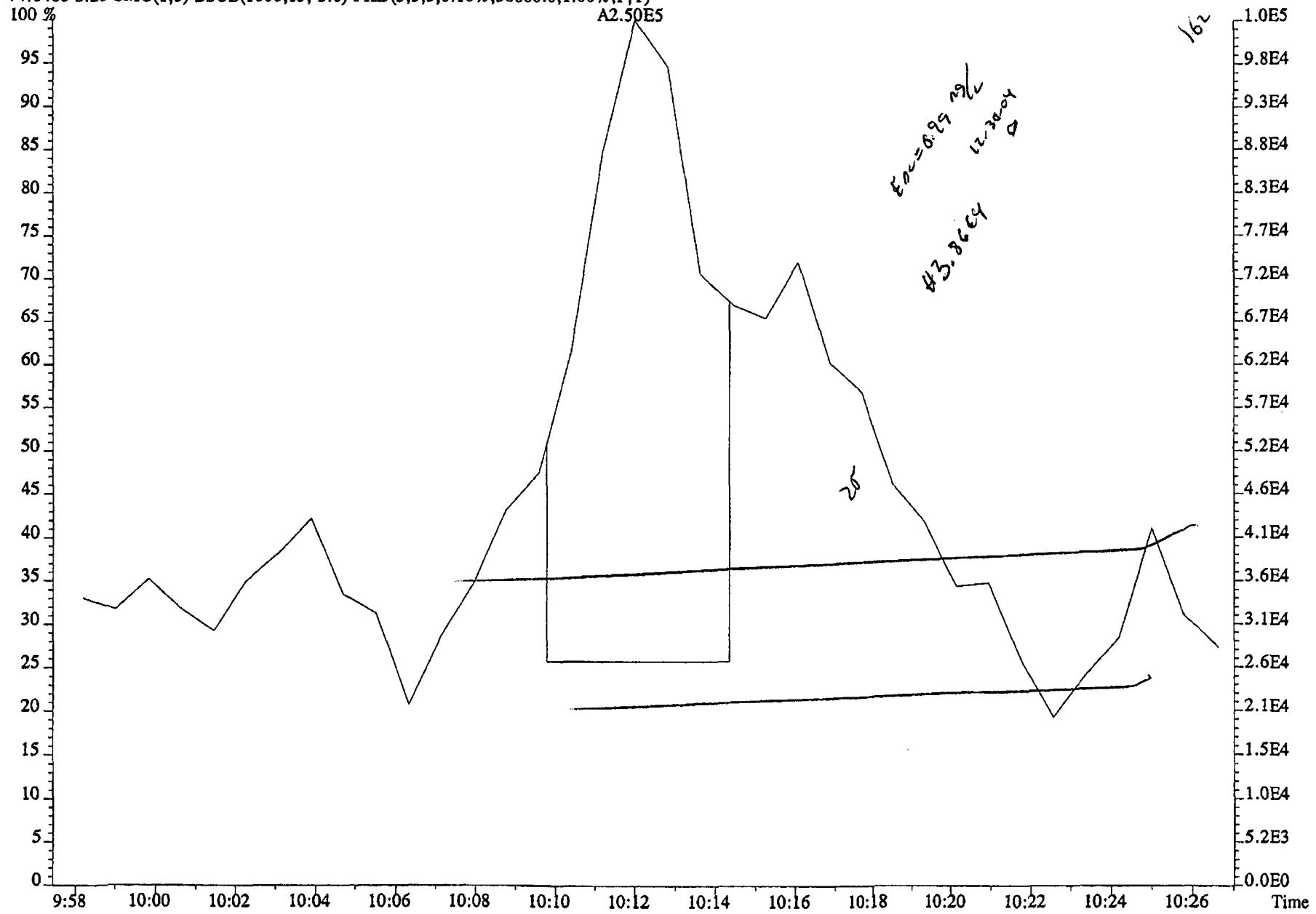
File:29DE045SP #1-474 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
Sample#26 Text:G0R14-2-AA :G4L100385-5RX Exp:NDMAVOA
74.0480 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36880.0,1.00%,F,T)



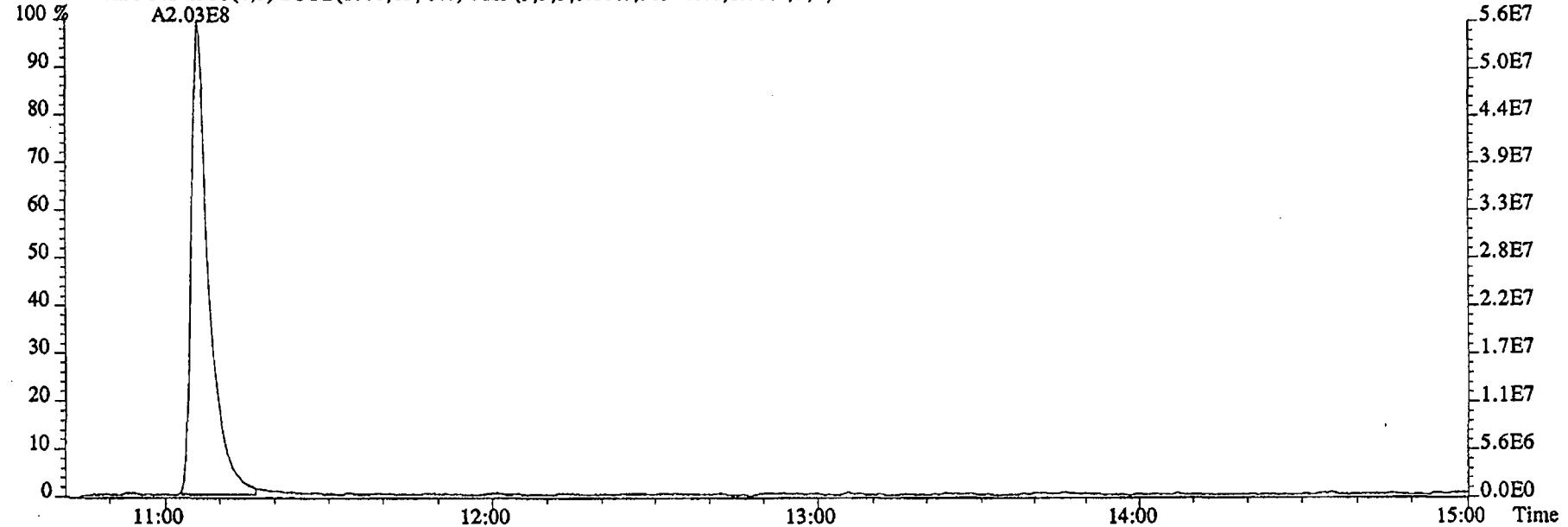
80.0857 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1820.0,1.00%,F,T)



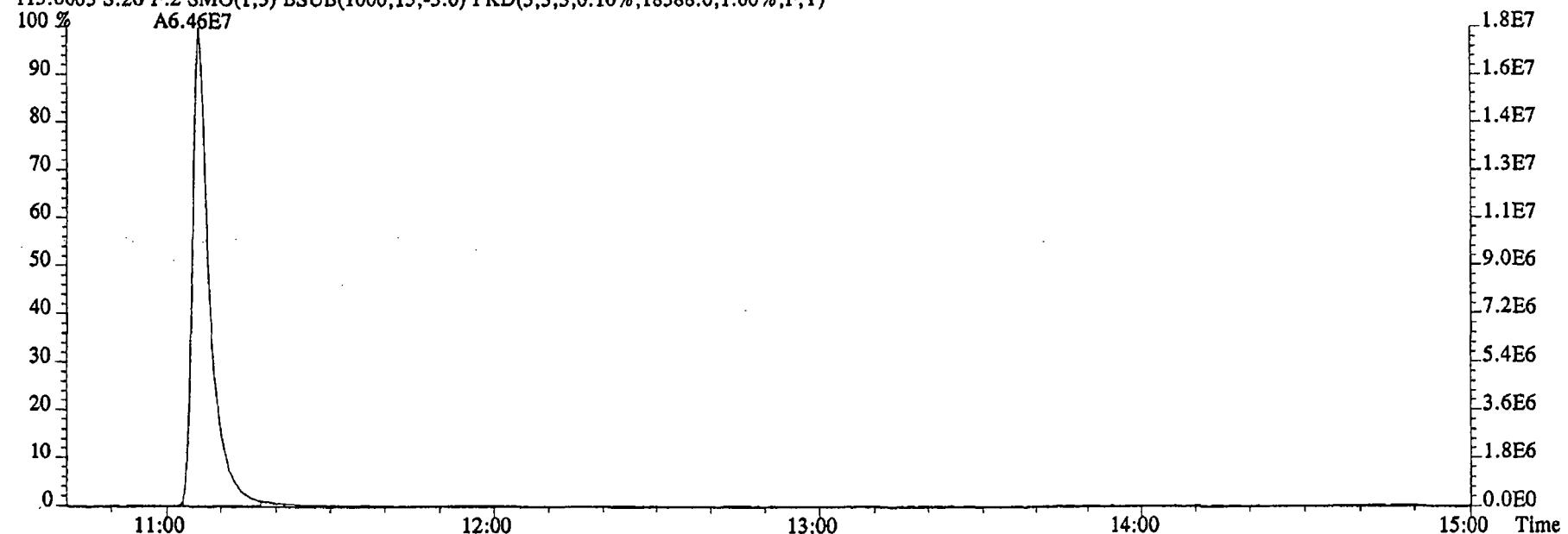
File:29DE045SP #1-474 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
Sample#26 Text:G0R14-2-AA :G4L100385-5RX Exp:NDMAVOA
74.0480 S:26 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36880.0,1.00%,F,T)



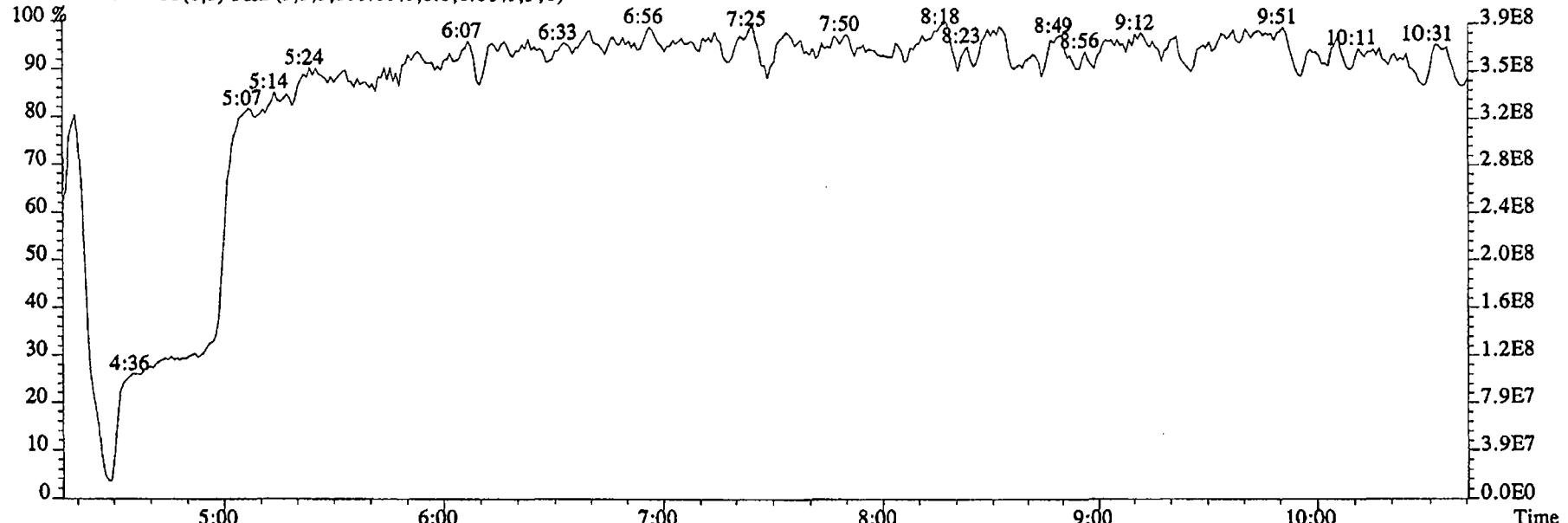
File:29DE045SP #1-602 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
Sample#26 Text:GOR14-2-AA :G4L100385-5RX Exp:NDMAVOA
113.0032 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,505440.0,1.00%,F,T)



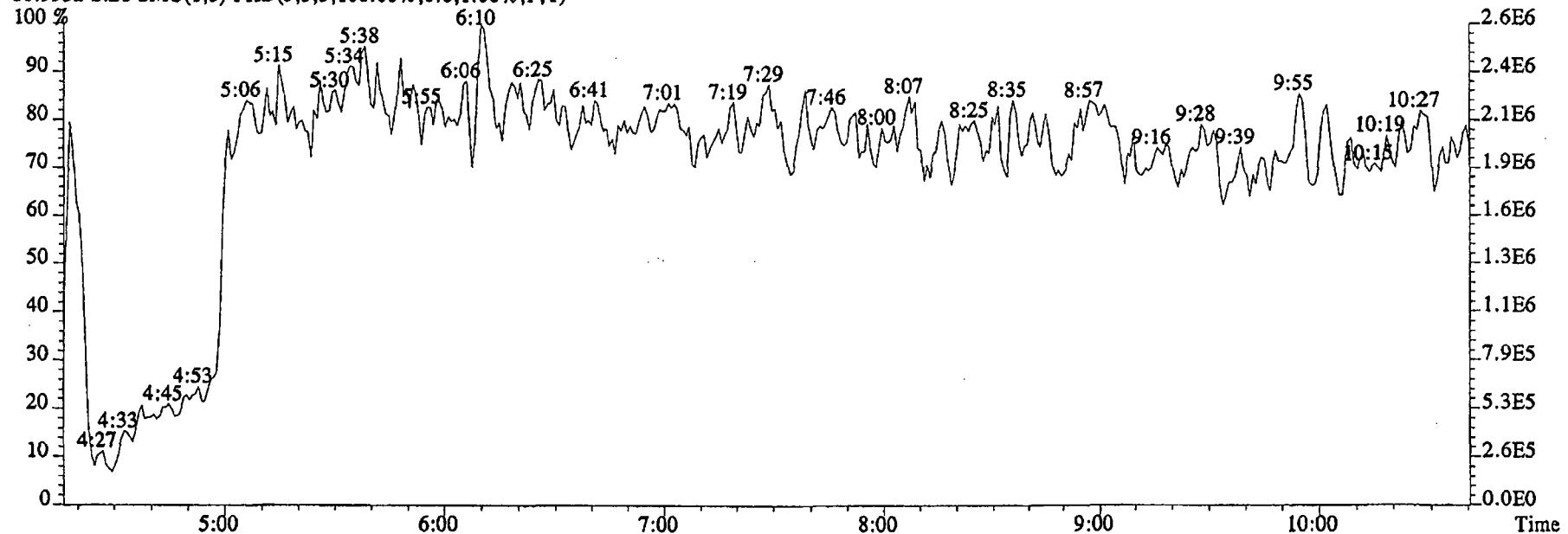
115.0003 S:26 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18388.0,1.00%,F,T)



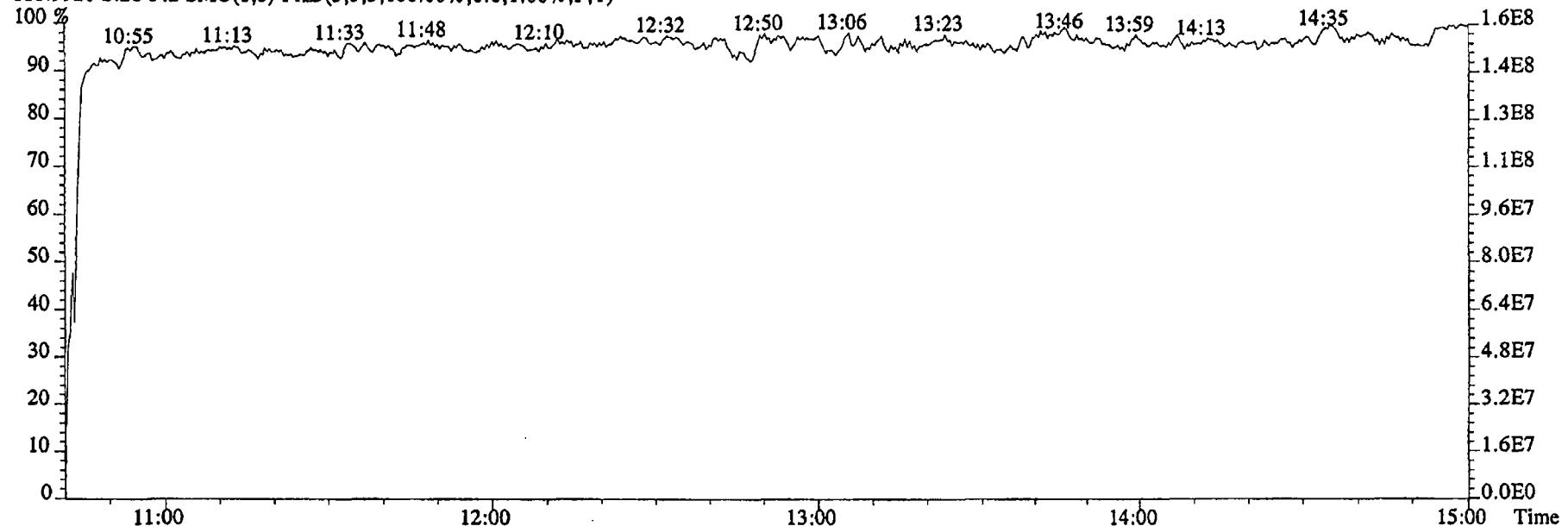
File:29DE045SP #1-474 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
 Sample#26 Text:G0R14-2-AA :G4L100385-5RX Exp:NDMAVOA
 68.9952 S:26 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



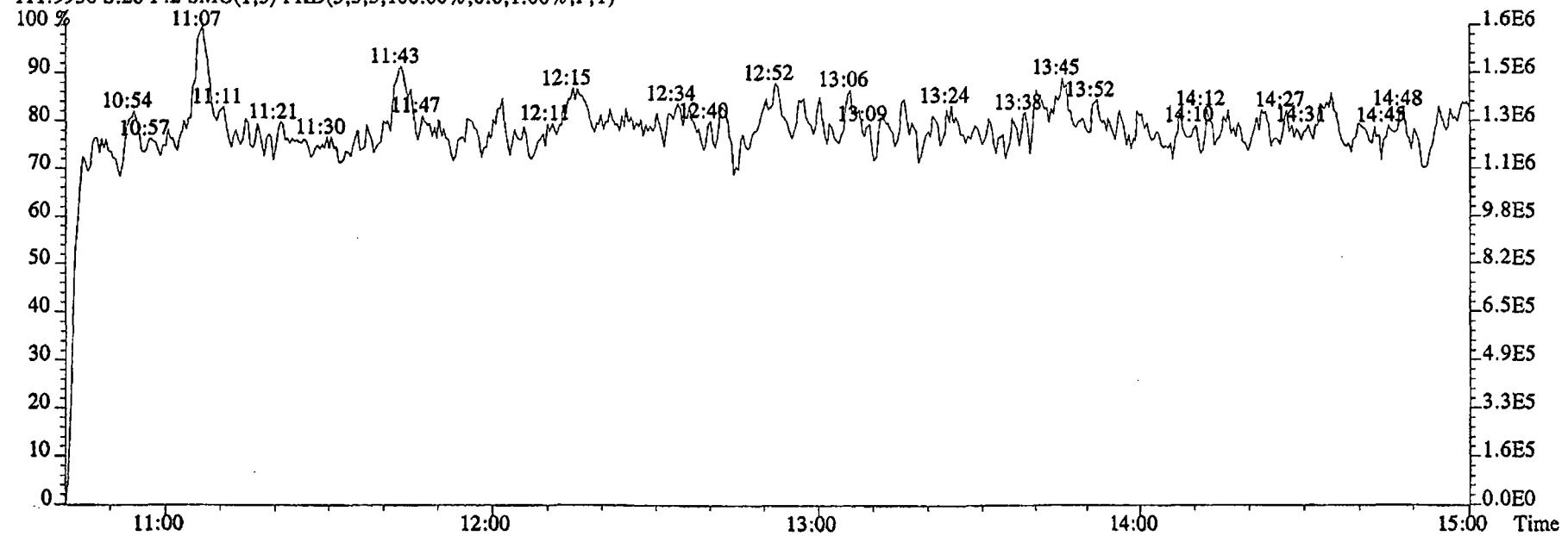
80.9952 S:26 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 22:01:01 GC EI+ Voltage SIR 70SE
 Sample#26 Text:G0R14-2-AA :G4L100385-5RX Exp:NDMAVOA
 118.9920 S:26 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:26 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Daily Standard Checklist
High Resolution

Method ID 1625
 Column ID SP-2331
 STD ID ST12160F
 Analyzed By AM
 Prepared By BS
 Reviewed By C. nicholl

Associated ICAL 16251216045SP
 Instrument ID 5SP
 STD Solution 2350-68C
 Date Analyzed 12/16/04
 Date Prepared 12/17/04
 Date Reviewed 12-07-04

ANALYSIS OF ICAL		INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?		✓/NA①	✓/na②
Copy of log-file and Static Resolution present?		✓	✓
CPSM blow up present?		NA③	na④
Curve Summary present?		✓	✓
Summary of Method criteria present?		NA	na
Daily standard within method specified limits?*		✓	✓
Analyte retention times correct?		✓	✓
Isotopic ratios within limits?		NA	na
CPSM valley ≤ method specified limits?**		NA③	na④
Are chromatographic windows correct?		✓	✓
Samples analyzed within 12 hrs of daily standard?		✓	✓
Manual reintegration's checked and hardcopies included?		NA	na
Ending Standard and ending Static Resolutions present		NA	na

COMMENTS:

- * Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
- Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
- Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
- Method 23: See Method 23 Daily Standard Criteria, Table 5.
- Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
- PAH: +/- 30% from curve RRFs for native and labeled compounds.
- PCB: +/- 30% from curve RRFs for native and 50% for labeled compounds.
- NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
- DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

- ** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
- 551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
- GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST1216F
 Run #26 Filename 16DE045SP S: 29
 Acquired: 17-DEC-04 04:07:12
 Run: KAS Analyte: 1625

File text: ST1216F :CS3 2350-68C
 I: 1
 Processed: 17-DEC-04 13:47:56
 Cal: 16251216045SP Results: KAS

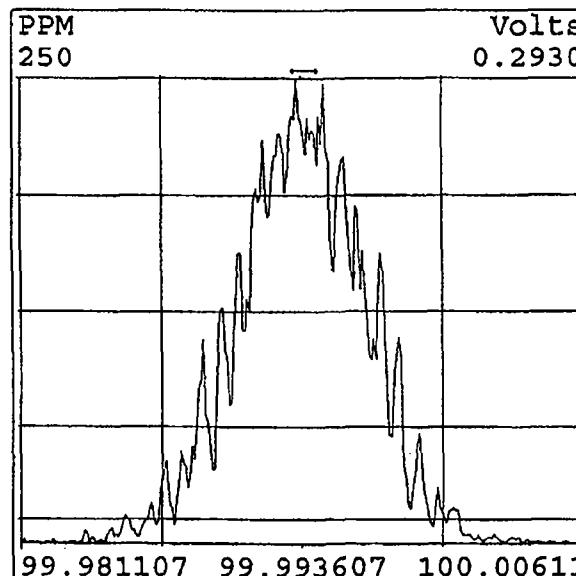
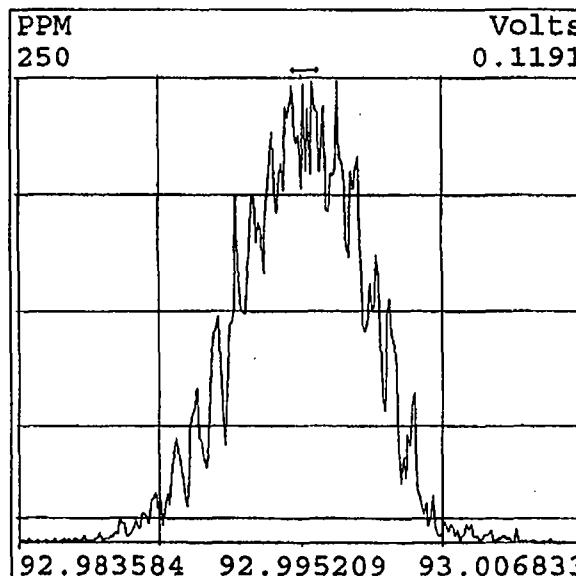
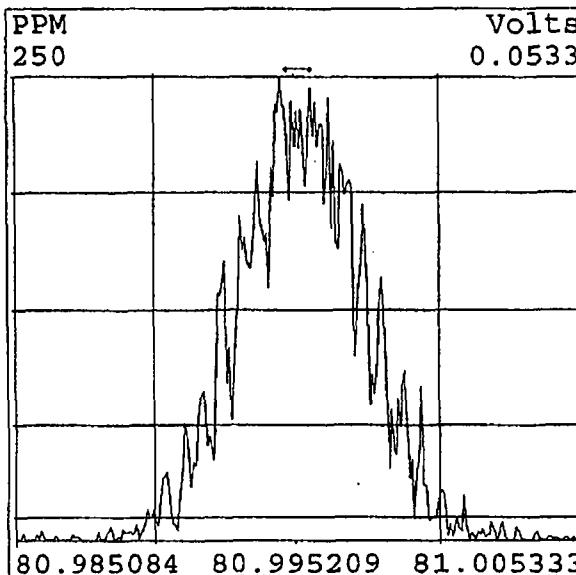
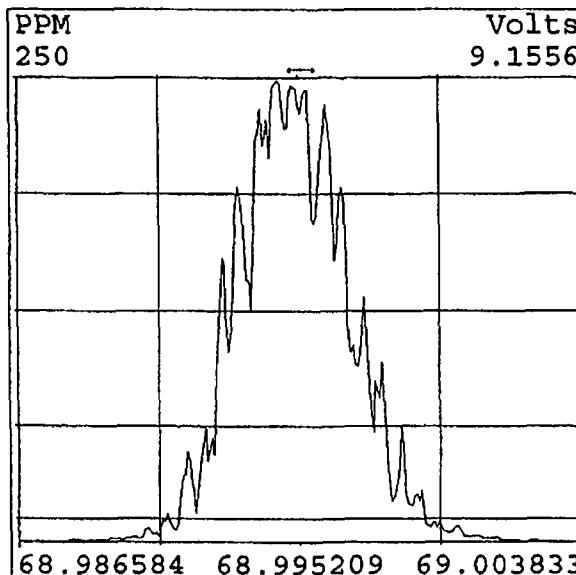
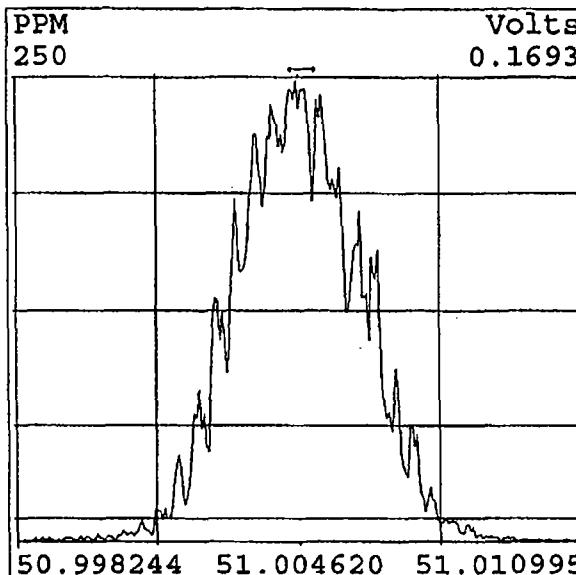
Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
2-Chloropyridine	53779700		11:04	-	200.00	-	n
D8-1,4-Dioxane	199132000		5:06	0.74	1000.00	13.0	n
1,4-Dioxane	10981500		5:06	1.10	50.00	4.6	n
D5-123-TriChloroPropane	66621700		10:00	2.48	100.00	5.4	n
1,2,3-TriChloroPropane	14877000		10:04	0.45	50.00	-7.3	n
1,2,3-TriChloroPropane	45272300		10:04	-	50.00	-	n
D6-NDMA	44306900		10:10	1.65	100.00	11.2	n
NDMA	28300500		10:10	1.28	50.00	-7.0	n
2-Chloropyridine	175057000		11:04	-	200.00	-	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16DE045SP	1	ST1216	CS1 2350-68A				1.000	
16DE045SP	2	ST1216A	CS2 2350-68B				1.000	
16DE045SP	3	ST1216B	CS3 2350-68C				1.000	
16DE045SP	4	ST1216C	CS4 2350-68D				1.000	
16DE045SP	5	ST1216D	CS5 2350-68E				1.000	
16DE045SP	6	SB1216	Solvent Blank DCM				1.000	
16DE045SP	7	ST1216E	CS3 2350-68C				1.000	
16DE045SP	8	SB1216A	Solvent Blank DCM				1.000	
16DE045SP	9	GX4KD-1-AA	G4L040149-2	500	1625/WATER	VS54	1.052	L
16DE045SP	10	GX4KE-1-AA	G4L020149-3	500	1625/WATER		0.977	L
16DE045SP	11	GX4KF-1-AA	G4L020149-4	500	1625/WATER		0.982	L
16DE045SP	12	GX4KG-1-AA	G4L020149-5	500	1625/WATER		1.006	L
16DE045SP	13	G0XDP-1-AA	G4L080479-MB	500	1625/WATER		1.000	L
16DE045SP	14	G0XDP-1-AC	G4L080479-LCS	500	1625/WATER		1.000	L
16DE045SP	15	G0K68-1-AC	G4L080479-1	500	1625/WATER		0.943	L
16DE045SP	16	G0K69-1-AC	G4L080479-2	500	1625/WATER		0.974	L
16DE045SP	17	G0K7A-1-AC	G4L080479-3	500	1625/WATER		0.968	L
16DE045SP	18	G0K7D-1-AC	G4L080479-4	500	1625/WATER		0.928	L
16DE045SP	19	G0K7E-1-AC	G4L080479-5	500	1625/WATER		0.928	L
16DE045SP	20	G0K7F-1-AC	G4L080479-6	500	1625/WATER		0.936	L
16DE045SP	21	G0HM6-1-AE	E4L080175-4	500	1625/WATER		0.965	L
16DE045SP	22	G0HM7-1-AE	E4L080175-5	500	1625/WATER		0.995	L
16DE045SP	23	G0PC2-1-AC	G4L090480-1	500	1625/WATER		0.966	L
16DE045SP	24	G0PC4-1-AC	G4L090480-2	500	1625/WATER		0.986	L
16DE045SP	25	G0PC5-1-AC	G4L090480-3	500	1625/WATER		0.961	L
16DE045SP	26	G0MLW-1-AA	G4L090264-1	500	1625/WATER		0.966	L
16DE045SP	27	G0PDJ-1-AA	G4L090484-1	500	1625/WATER		0.962	L
16DE045SP	28	SB1216B	Solvent Blank DCM				1.000	
16DE045SP	29	ST1216F	CS3 2350-68C				1.000	
16DE045SP	30	SB1216C	Solvent Blank DCM				1.000	
16DE045SP	31	G05QJ-1-AAB	E4L090217-1MB	500	1625/WATER	VS55	1.000	L
16DE045SP	32	G05QJ-1-ACC	E4L090217-1LCS	500	1625/WATER		1.000	L
16DE045SP	33	G05QJ-1-ADL	E4L090217-1DCS	500	1625/WATER		1.000	L
16DE045SP	34	G0L86-1-AA	E4L090217-1	500	1625/WATER		0.979	L
16DE045SP	35	G0L9A-1-AA	E4L090217-2	500	1625/WATER		0.980	L
16DE045SP	36	G0L9J-1-AE	E4L090217-4	500	1625/WATER		0.974	L
16DE045SP	37	G0L93-1-AE	E4L090217-5	500	1625/WATER		0.972	L
16DE045SP	38	G0L95-1-AE	E4L090217-6	500	1625/WATER		0.984	L
16DE045SP	39	G0L99-1-AE	E4L090217-8	500	1625/WATER		0.987	L
16DE045SP	40	G0MAA-1-AE	E4L090217-9	500	1625/WATER		0.973	L
16DE045SP	41	G0MAF-1-AE	E4L090217-10	500	1625/WATER		0.988	L
16DE045SP	42	G0XAD-1-AC	G4L130173-26	500	1625/WATER		0.988	L
16DE045SP	43	G0XAG-1-AC	G4L130173-27	500	1625/WATER		0.987	L
16DE045SP	44	G0R1N-1-AC	G4L100385-1	500	1625/WATER		0.947	L
16DE045SP	45	G0R1W-1-AC	G4L100385-2	500	1625/WATER		0.990	L
16DE045SP	46	G0R10-1-AC	G4L100385-3	500	1625/WATER		0.986	L
16DE045SP	47	G0R12-1-AC	G4L100385-4	500	1625/WATER		0.953	L
16DE045SP	48	G0R14-1-AA	G4L100385-5	500	1625/WATER		0.972	L
16DE045SP	49	SB1216D	Solvent Blank DCM				1.000	
16DE045SP	50	SB1216E	Solvent Blank DCM				1.000	
16DE045SP	51	ST1216G	CS3 2350-68C				1.000	
16DE045SP	52	SB1216F	Solvent Blank DCM				1.000	
16DE045SP	53	G04X9-1-AAB	G4L130173-1MB	500	1625/SOLID	VS55	10.000	g

16DE045SP	54	G04X9-1-ACC	G4L130173-1LCS	500	1625/SOLID	10.000 g
16DE045SP	55	G0W7T-1-AC	G4L130173-1	500	1625/SOLID	10.000 g
16DE045SP	56	G0W7X-1-AC	G4L130173-2	500	1625/SOLID	10.000 g
16DE045SP	57	G0W70-1-AC	G4L130173-3	500	1625/SOLID	10.000 g
16DE045SP	58	G0W74-1-AC	G4L130173-4	500	1625/SOLID	10.000 g
16DE045SP	59	G0W77-1-AC	G4L130173-5	500	1625/SOLID	10.000 g
16DE045SP	60	G0W77-1-AFS	G4L130173-5MS	500	1625/SOLID	10.000 g
16DE045SP	61	G0W77-1-AGD	G4L130173-5SD	500	1625/SOLID	10.000 g
16DE045SP	62	G0W79-1-AD	G4L130173-6	500	1625/SOLID	10.000 g
16DE045SP	63	G0W8D-1-AD	G4L130173-7	500	1625/SOLID	10.000 g
16DE045SP	64	G0W8F-1-AD	G4L130173-8	500	1625/SOLID	10.000 g
16DE045SP	65	G0W8J-1-AD	G4L130173-9	500	1625/SOLID	10.000 g
16DE045SP	66	G0W8K-1-AD	G4L130173-10	500	1625/SOLID	10.000 g
16DE045SP	67	G0W8N-1-AD	G4L130173-11	500	1625/SOLID	10.000 g
16DE045SP	68	G0W8R-1-AD	G4L130173-12	500	1625/SOLID	10.000 g
16DE045SP	69	G0W8W-1-AD	G4L130173-13	500	1625/SOLID	10.000 g
16DE045SP	70	G0W82-1-AD	G4L130173-14	500	1625/SOLID	10.000 g
16DE045SP	71	G0W84-1-AD	G4L130173-15	500	1625/SOLID	10.000 g
16DE045SP	72		G4L130173-16	500	1625/SOLID	10.000 g
16DE045SP	73	G0W9D-1-AD	G4L130173-17	500	1625/SOLID	10.000 g
16DE045SP	74	G0W9G-1-AD	G4L130173-18	500	1625/SOLID	10.000 g
16DE045SP	75	G0W9H-1-AD	G4L130173-19	500	1625/SOLID	10.000 g
16DE045SP	76	G0407-1-ACC	G4L130173-20LCS	500	1625/SOLID	10.000 g
16DE045SP	77	G0407-1-AAB	G4L130173-20MB	500	1625/SOLID	10.000 g
16DE045SP	78	G0W9N-1-AD	G4L130173-20	500	1625/SOLID	10.000 g
16DE045SP	79	G0W9N-1-AJS	G4L130173-20MS	500	1625/SOLID	10.000 g
16DE045SP	80	G0W9N-1-AKD	G4L130173-20SD	500	1625/SOLID	10.000 g
16DE045SP	81	G0W9Q-1-AD	G4L130173-21	500	1625/SOLID	10.000 g
16DE045SP	82	G0W9W-1-AD	G4L130173-22	500	1625/SOLID	10.000 g
16DE045SP	83	G0W93-1-AD	G4L130173-23	500	1625/SOLID	10.000 g
16DE045SP	84	G0W95-1-AD	G4L130173-24	500	1625/SOLID	10.000 g
16DE045SP	85	G0W98-1-CD	G4L130173-25	500	1625/SOLID	10.000 g
16DE045SP	86	SB1216G	Solvent Blank DCM			1.000
16DE045SP	87	SB1216H	Solvent Blank DCM			1.000
16DE045SP	88	ST1216H	CS3 2350-68C			1.000
16DE045SP	89					1.000
16DE045SP	90					1.000
16DE045SP	91					1.000
16DE045SP	92					1.000

AM 12-16-04

Peak Locate Examination:16-DEC-2004:18:36 File:16DE045SP
Experiment:NDMAVOA Function:1 Reference:PFK



Run: KAS

Analyte: 1625

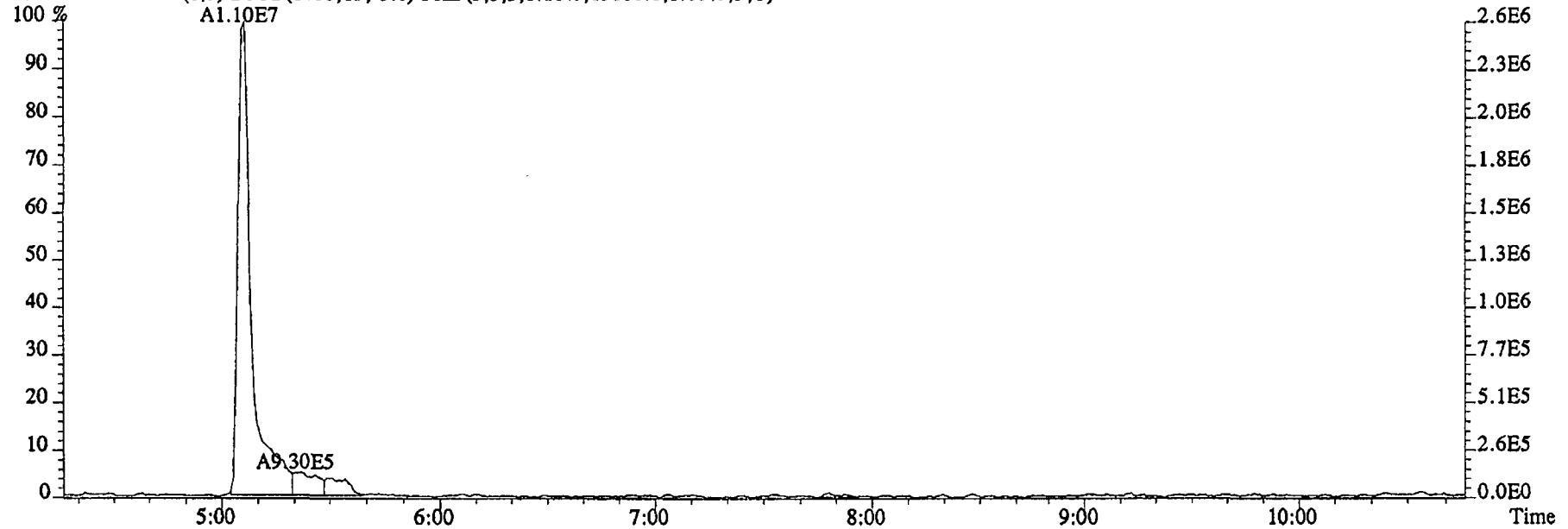
Cal: 16251216045SP

ST1216 :CS1 2350-68A
ST1216C :CS4 2350-68DST1216A :CS2 2350-68B
ST1216D :CS5 2350-68E

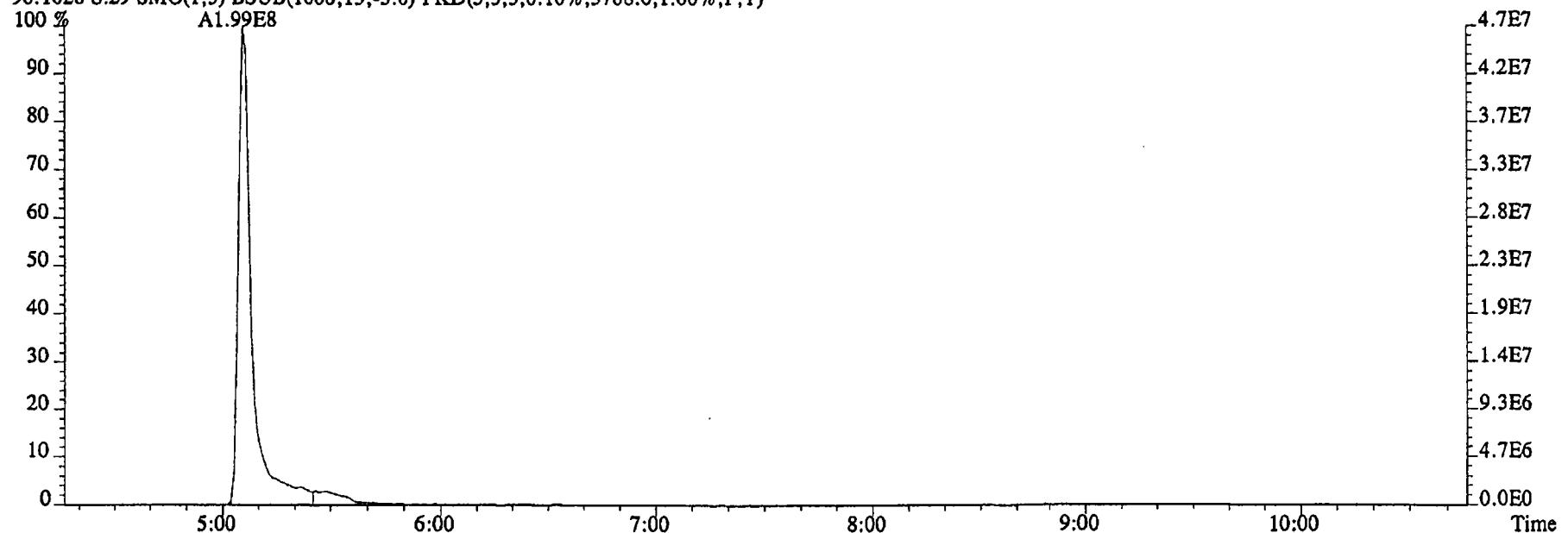
ST1216B :CS3 2350-68C

Name	Mean	S. D.	%RSD	16DE045SP				
				S1	S2	S3	S4	S5
RRF1	RRF2	RRF3	RRF4	RRF5				
2-Chloropyridine	-	-	- %	-	-	-	-	-
D8-1,4-Dioxane	0.655	0.110	16.8 %	0.59	0.60	0.76	0.79	0.54
1,4-Dioxane	1.054	0.135	12.8 %	1.07	0.90	0.96	1.09	1.25
D5-123-TriChloroPropane	2.351	0.108	4.60 %	2.53	2.35	2.28	2.25	2.35
1,2,3-TriChloroPropane	0.482	0.031	6.41 %	0.46	0.45	0.47	0.52	0.51
1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
D6-NDMA	1.481	0.073	4.91 %	1.50	1.43	1.38	1.52	1.57
NDMA	1.374	0.065	4.74 %	1.29	1.32	1.39	1.44	1.42
2-Chloropyridine	-	-	- %	-	-	-	-	-

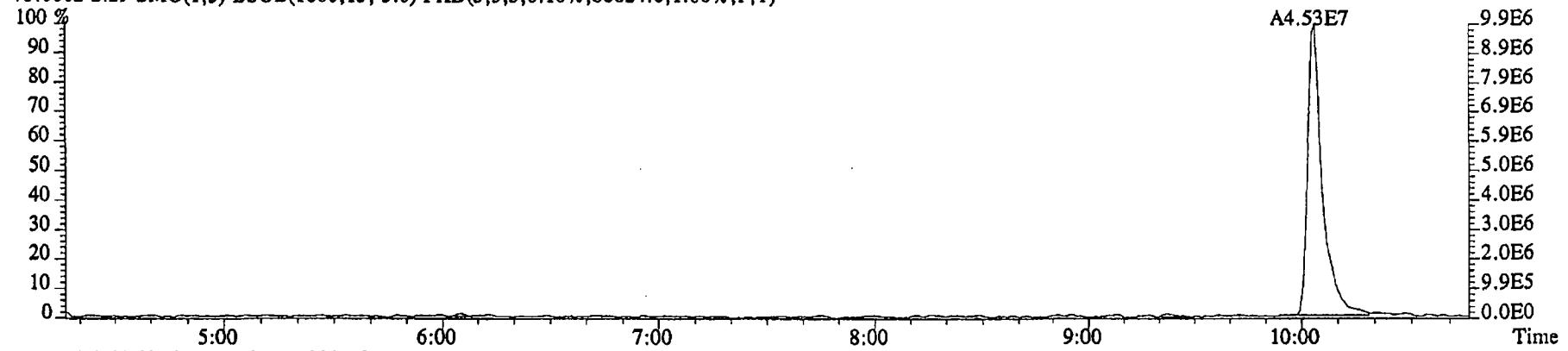
File:16DE045SP #1-480 Acq:17-DEC-2004 04:07:12 GC EI+ Voltage SIR 70SE
Sample#29 Text:ST1216F :CS3 2350-68C Exp:NDMAVOA
88.0524 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15100.0,1.00%,F,T)



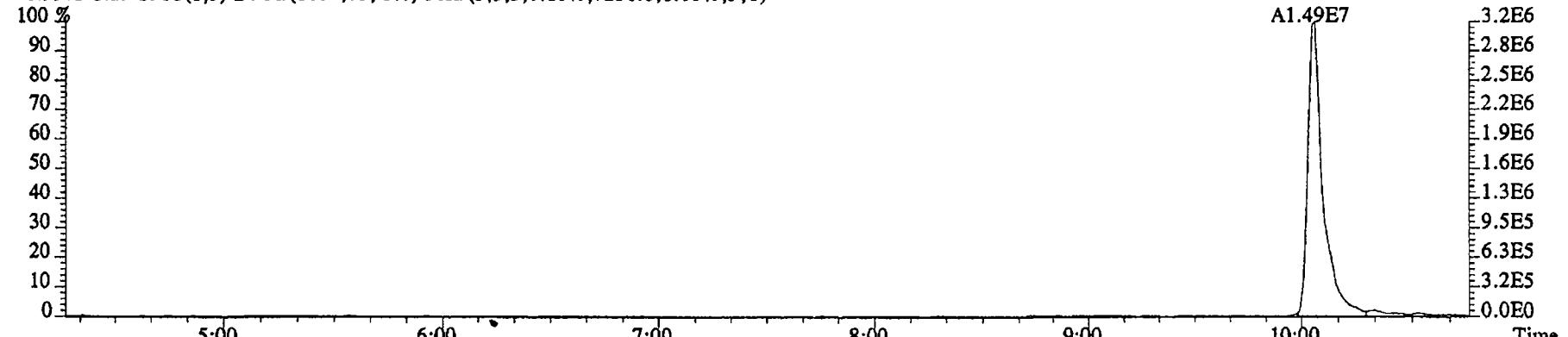
96.1026 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3768.0,1.00%,F,T)



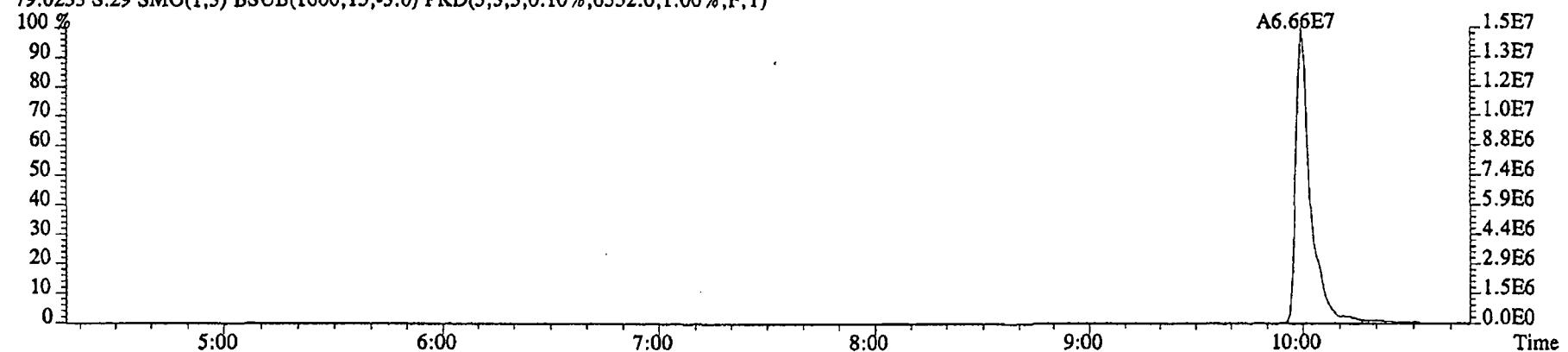
File:16DE045SP #1-480 Acq:17-DEC-2004 04:07:12 GC El+ Voltage SIR 70SE
Sample#29 Text:ST1216F :CS3 2350-68C Exp:NDMAVOA
75.0002 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,86824.0,1.00%,F,T)



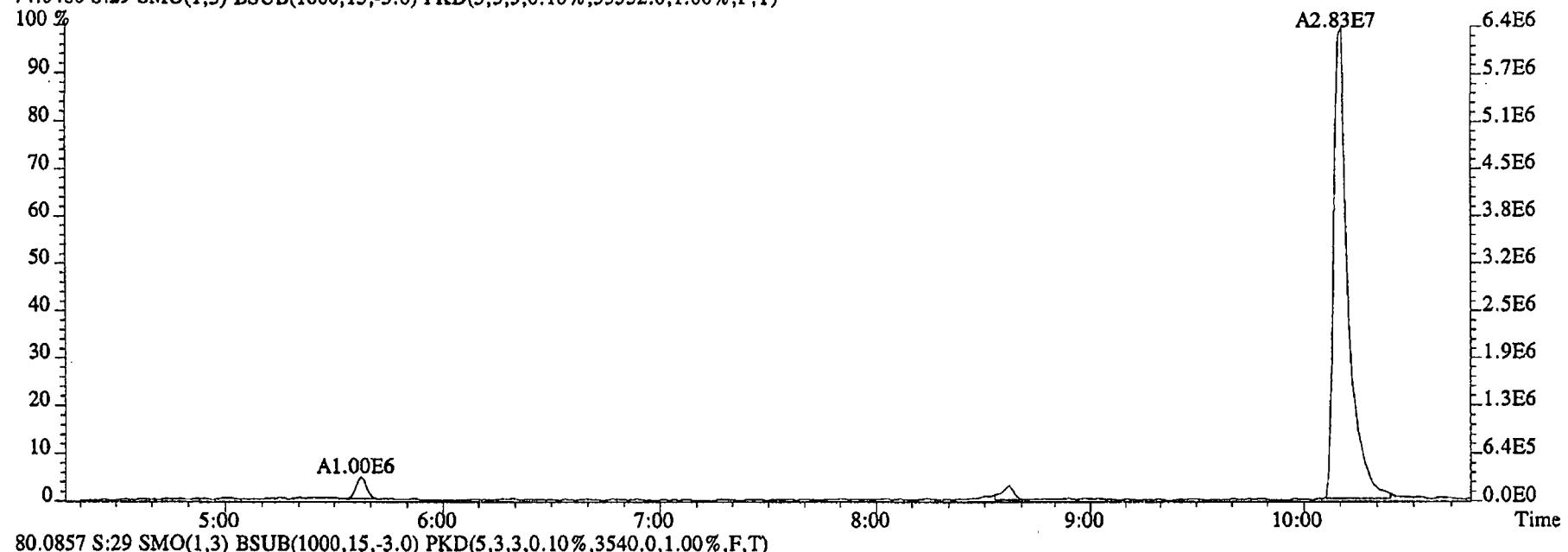
76.9972 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7256.0,1.00%,F,T)



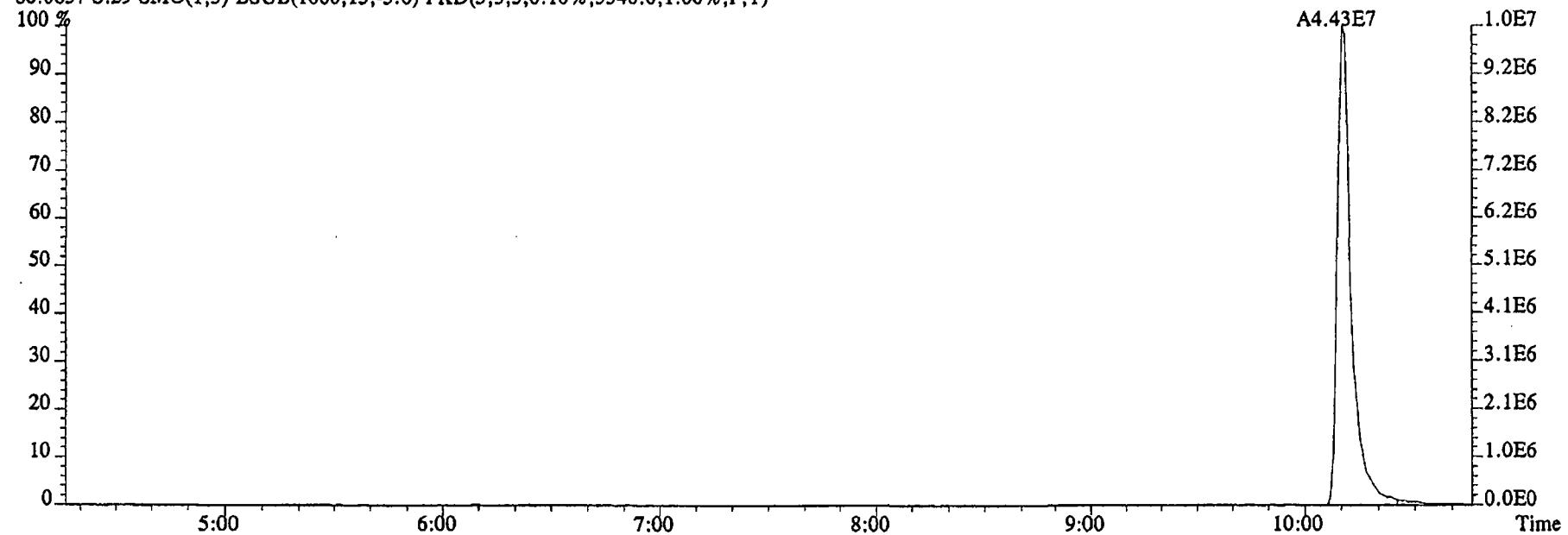
79.0253 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6552.0,1.00%,F,T)



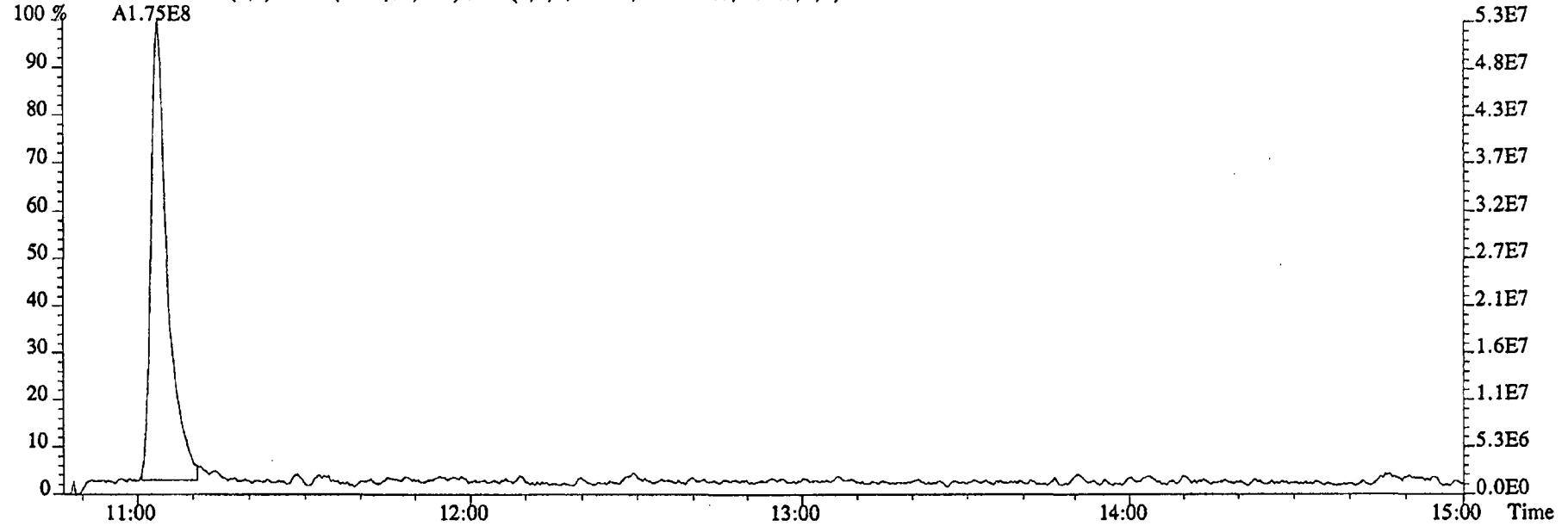
File:16DE045SP #1-480 Acq:17-DEC-2004 04:07:12 GC EI+ Voltage SIR 70SE
Sample#29 Text:ST1216F :CS3 2350-68C Exp:NDMAVOA
74.0480 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33532.0,1.00%,F,T)



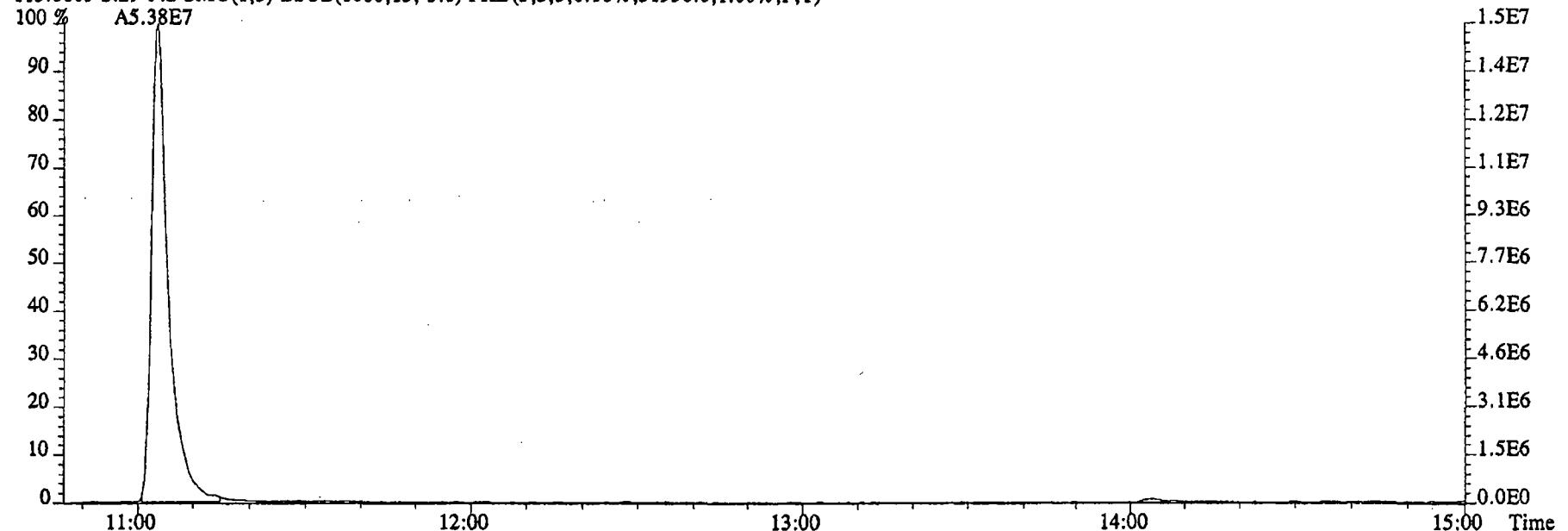
80.0857 S:29 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3540.0,1.00%,F,T)



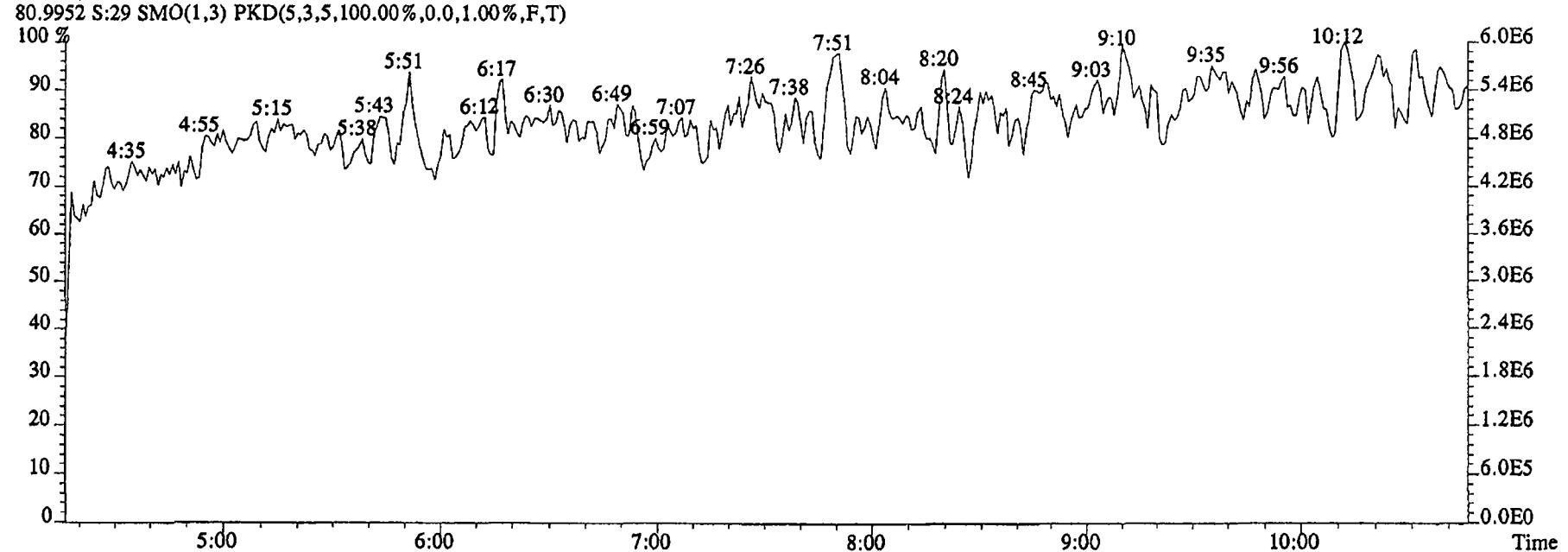
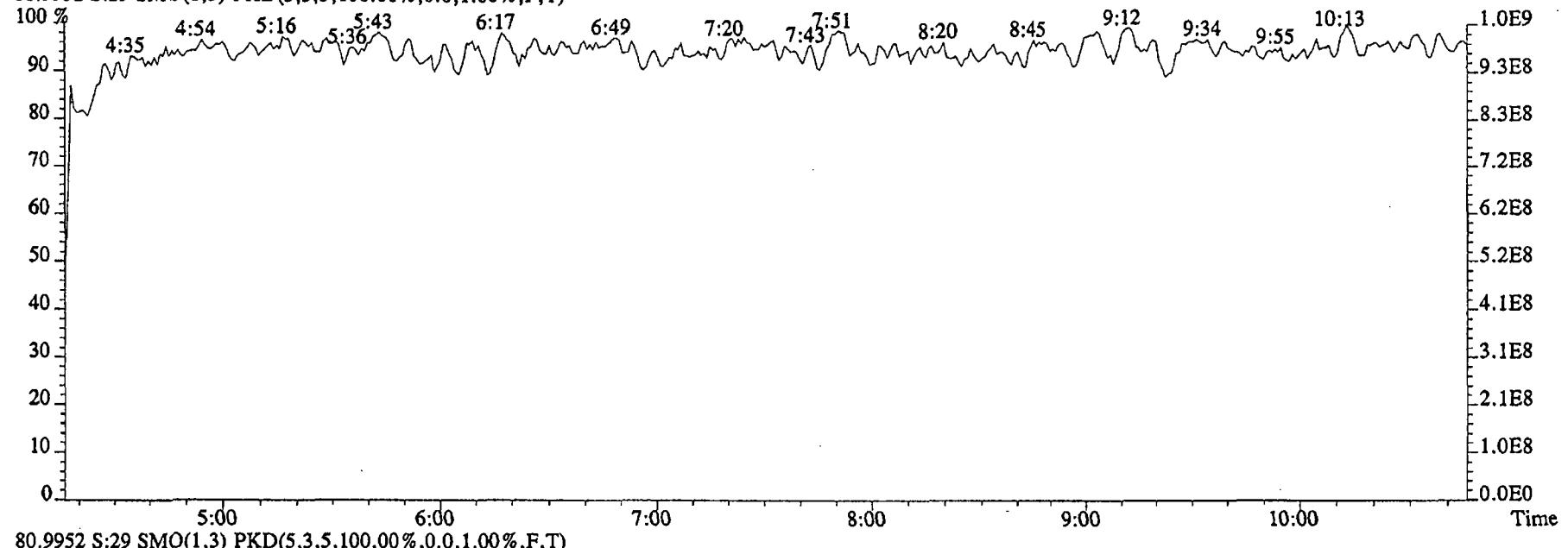
File:16DE045SP #1-591 Acq:17-DEC-2004 04:07:12 GC EI+ Voltage SIR 70SE
Sample#29 Text:ST1216F :CS3 2350-68C Exp:NDMAVOA
113.0032 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1880260.0,1.00%,F,T)



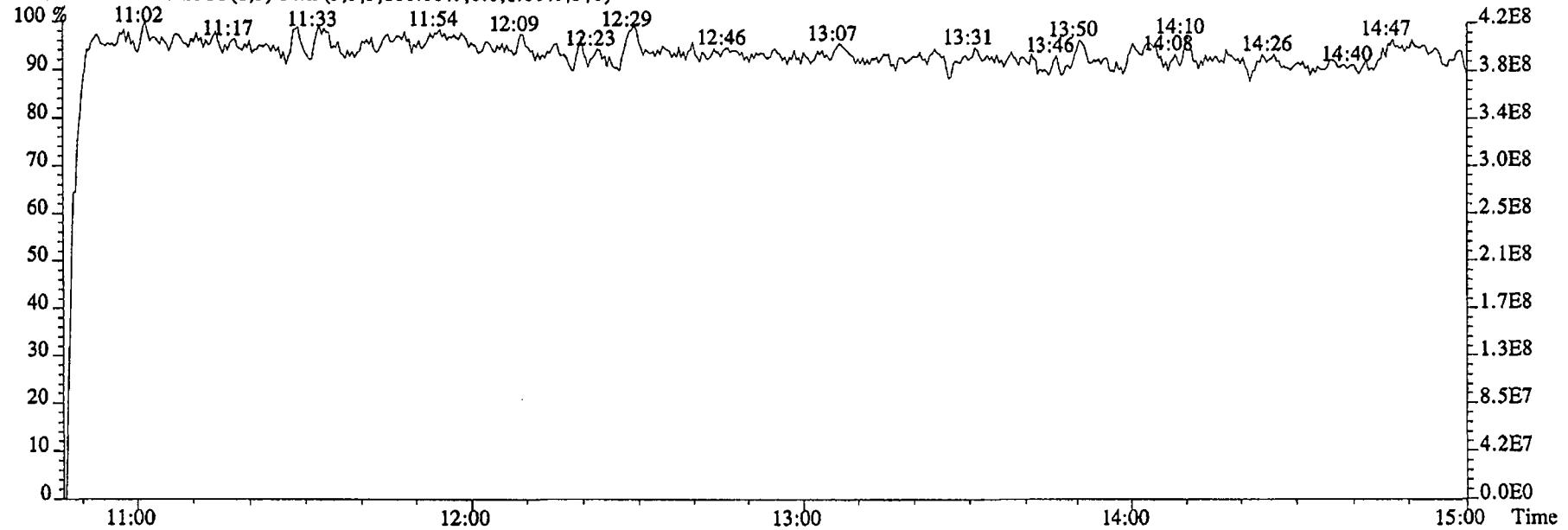
115.0003 S:29 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,31956.0,1.00%,F,T)



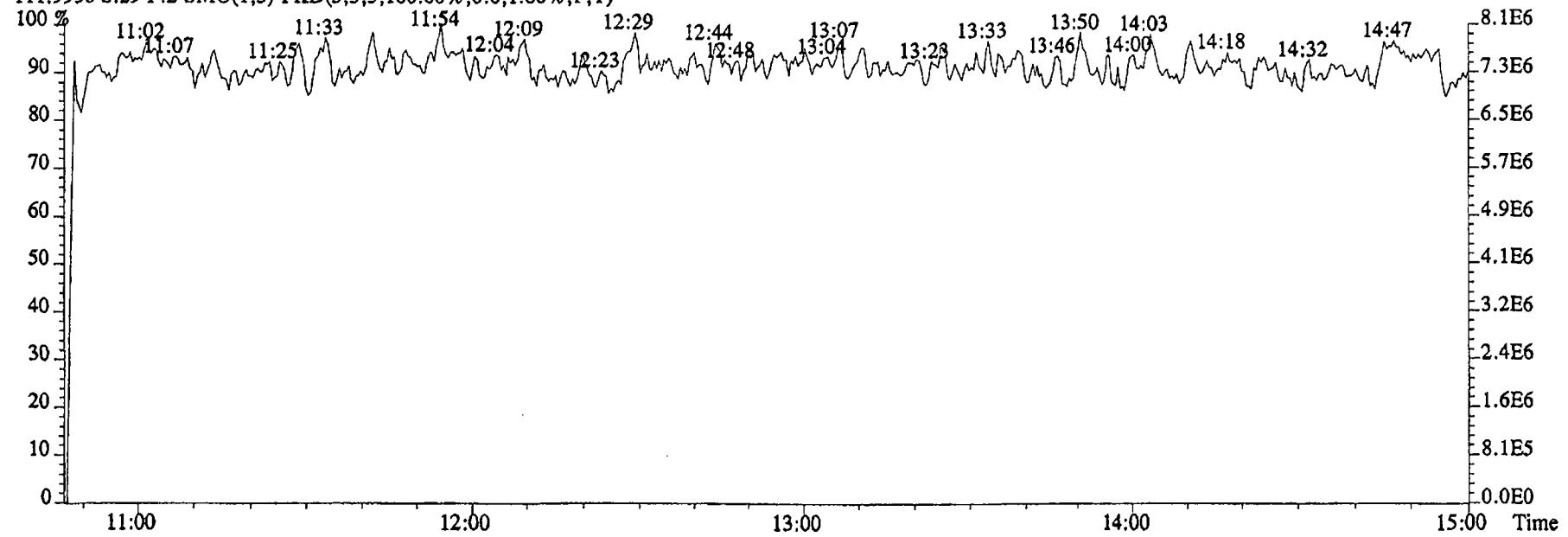
File:16DE045SP #1-480 Acq:17-DEC-2004 04:07:12 GC EI+ Voltage SIR 70SE
Sample#29 Text:ST1216F :CS3 2350-68C Exp:NDMAVOA
68.9952 S:29 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



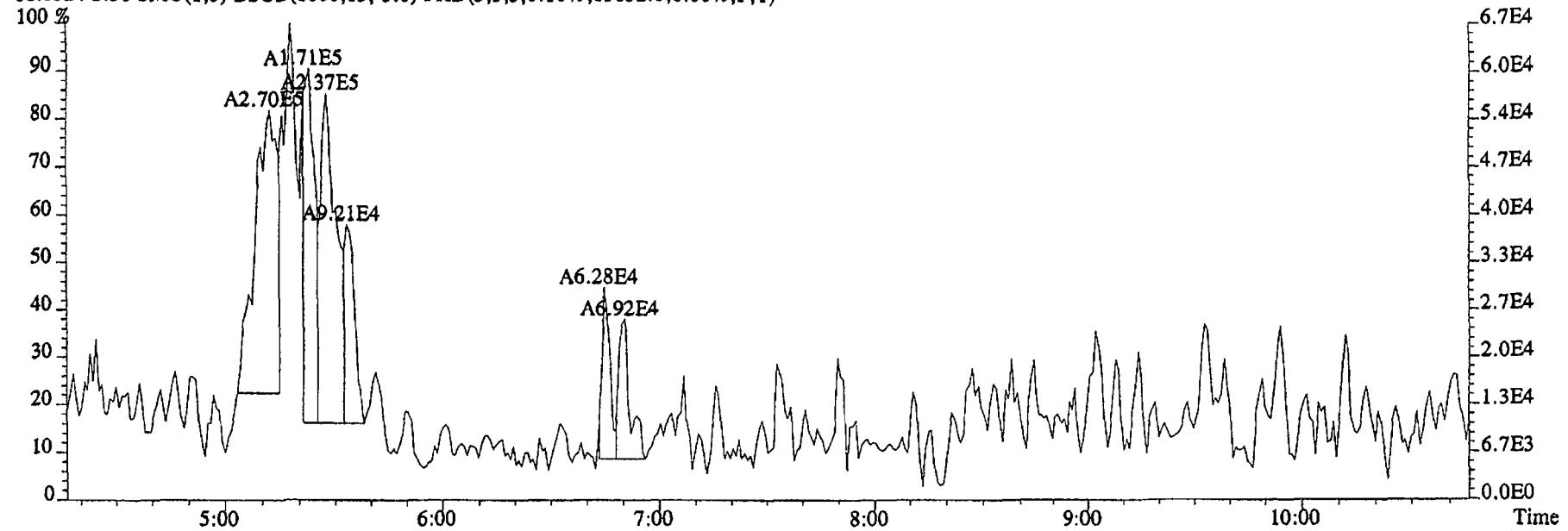
File:16DE045SP #1-591 Acq:17-DEC-2004 04:07:12 GC EI+ Voltage SIR 70SE
Sample#29 Text:ST1216F :CS3 2350-68C Exp:NDMAVOA
118.9920 S:29 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



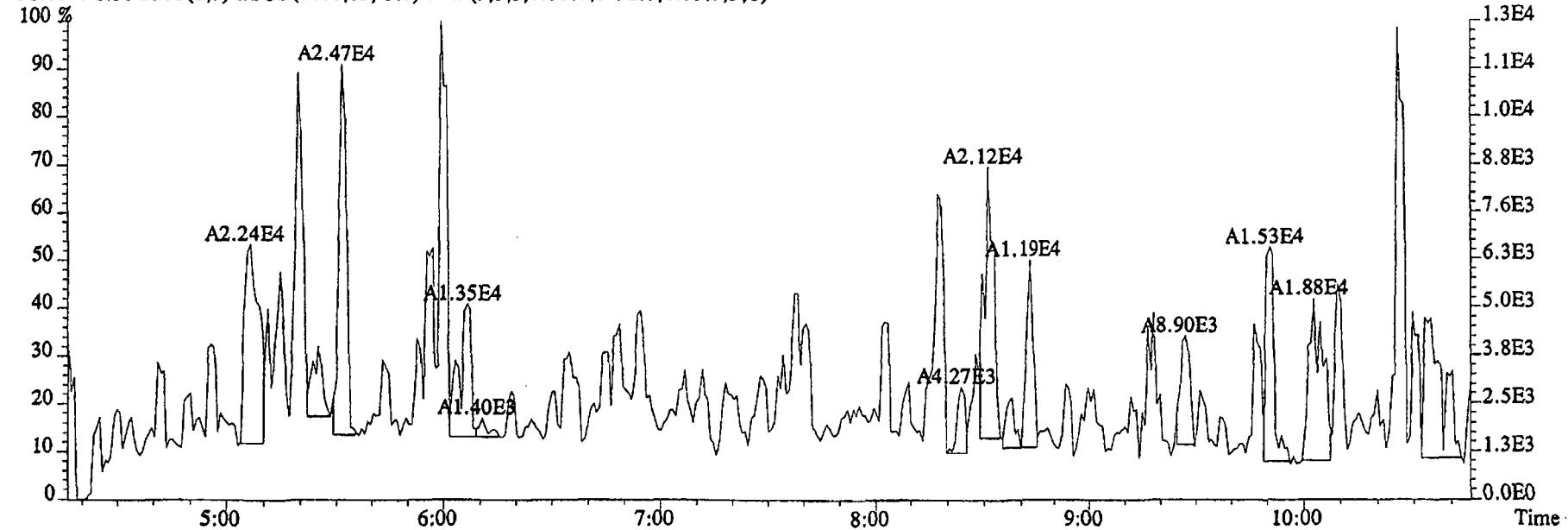
111.9936 S:29 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



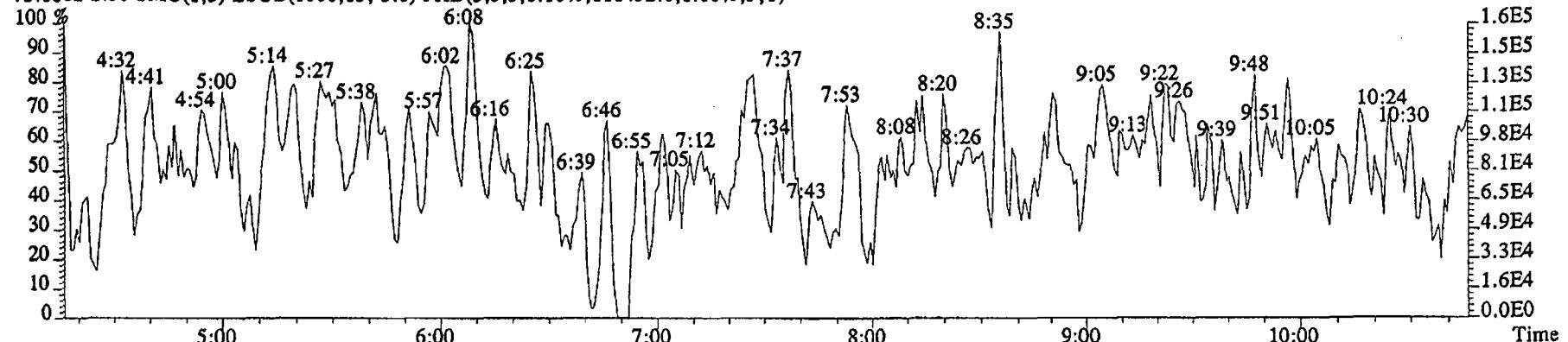
File:16DE045SP #1-480 Acq:17-DEC-2004 04:27:25 GC EI+ Voltage SIR 70SE
 Sample#30 Text:SB1216C :Solvent Blank DCM Exp:NDMAVOA
 88.0524 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13152.0,1.00%,F,T)



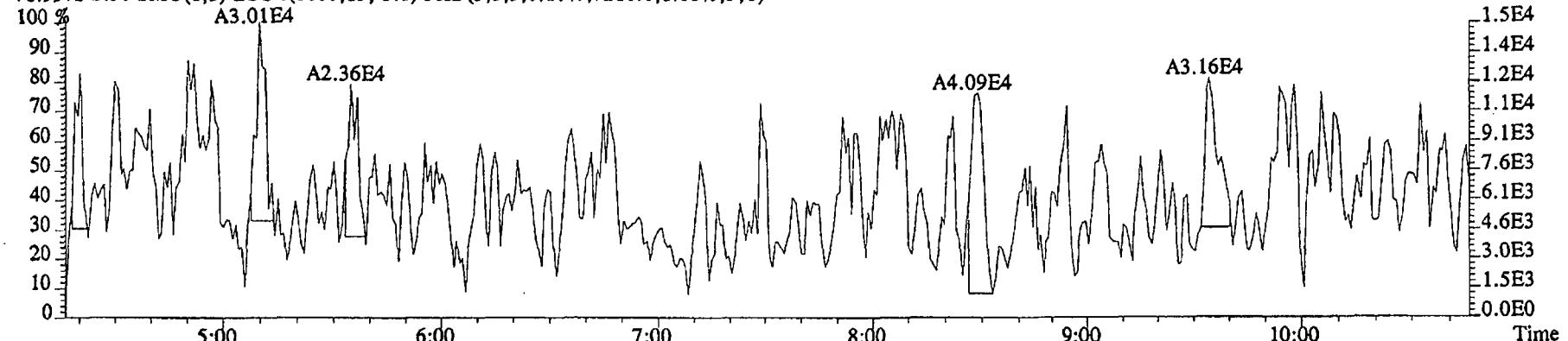
96.1026 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2792.0,1.00%,F,T)



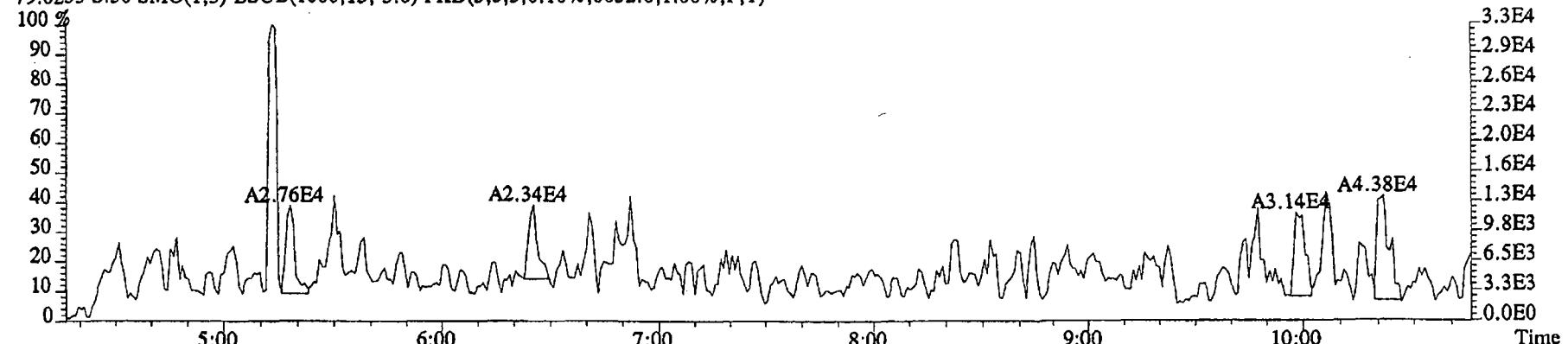
File:16DE045SP #1-480 Acq:17-DEC-2004 04:27:25 GC EI+ Voltage SIR 70SE
 Sample#30 Text:SB1216C :Solvent Blank DCM Exp:NDMAVOA
 75.0002 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,111452.0,1.00%,F,T)



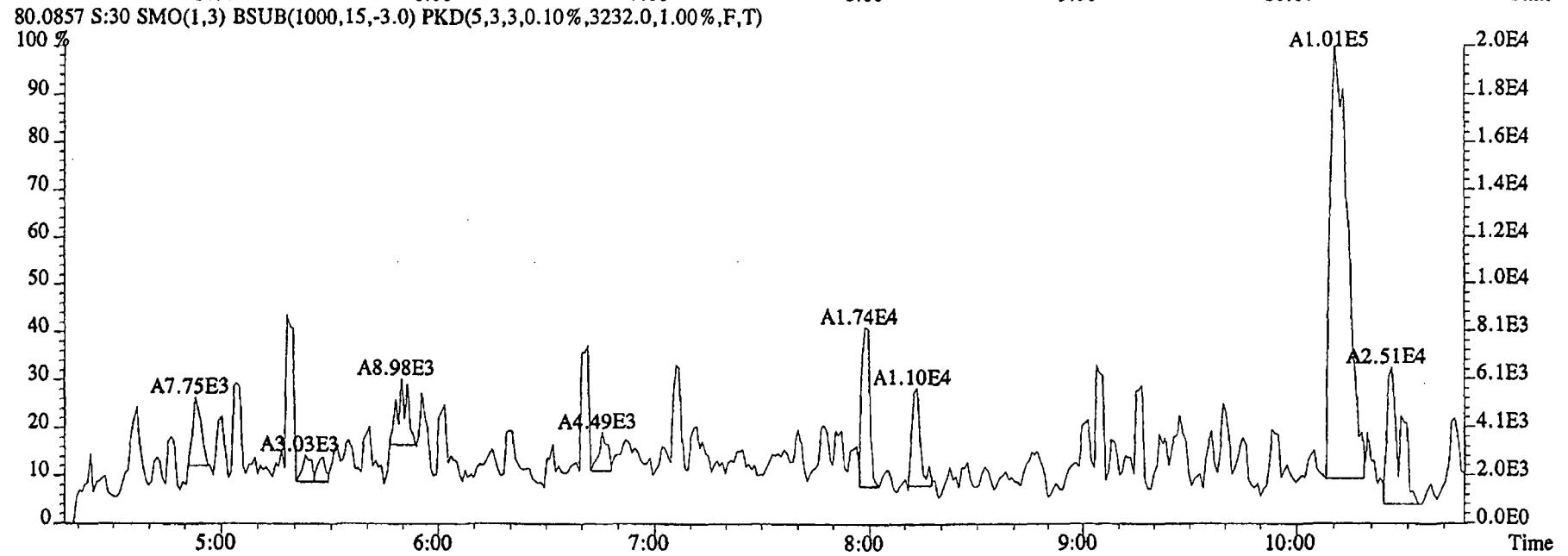
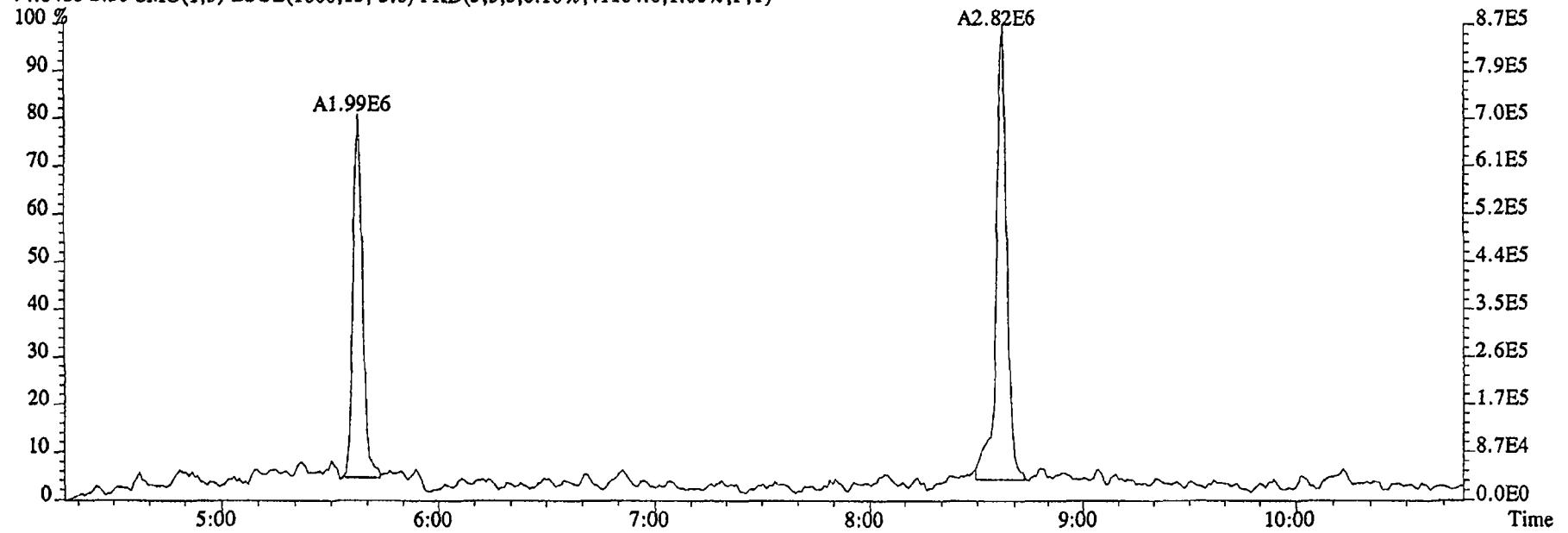
76.9972 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7216.0,1.00%,F,T)



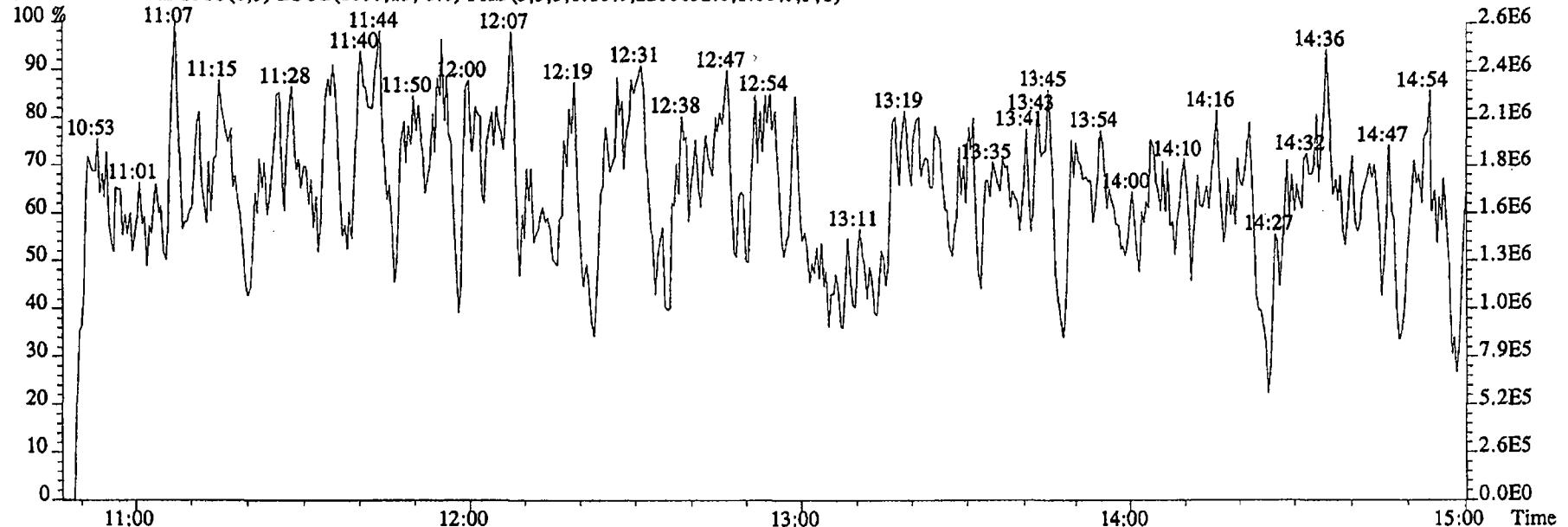
79.0253 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6052.0,1.00%,F,T)



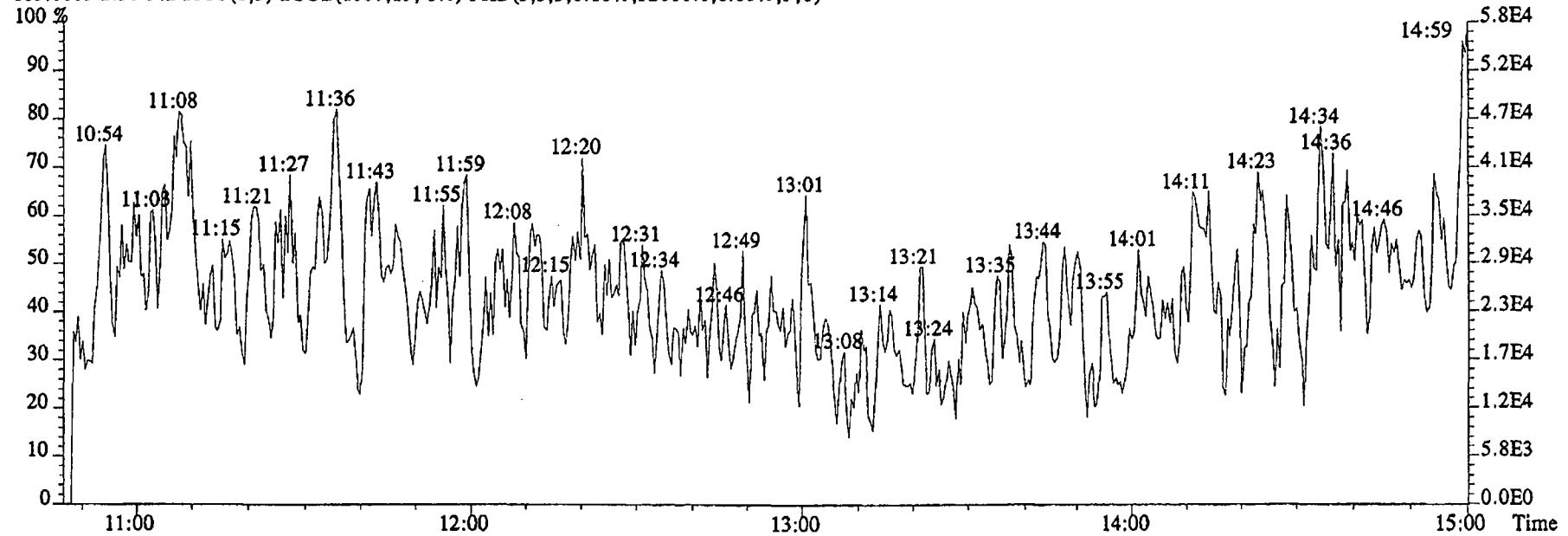
File:16DE045SP #1-480 Acq:17-DEC-2004 04:27:25 GC EI + Voltage SIR 70SE
 Sample#30 Text:SB1216C :Solvent Blank DCM Exp:NDMAVOA
 74.0480 S:30 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41104.0,1.00%,F,T)



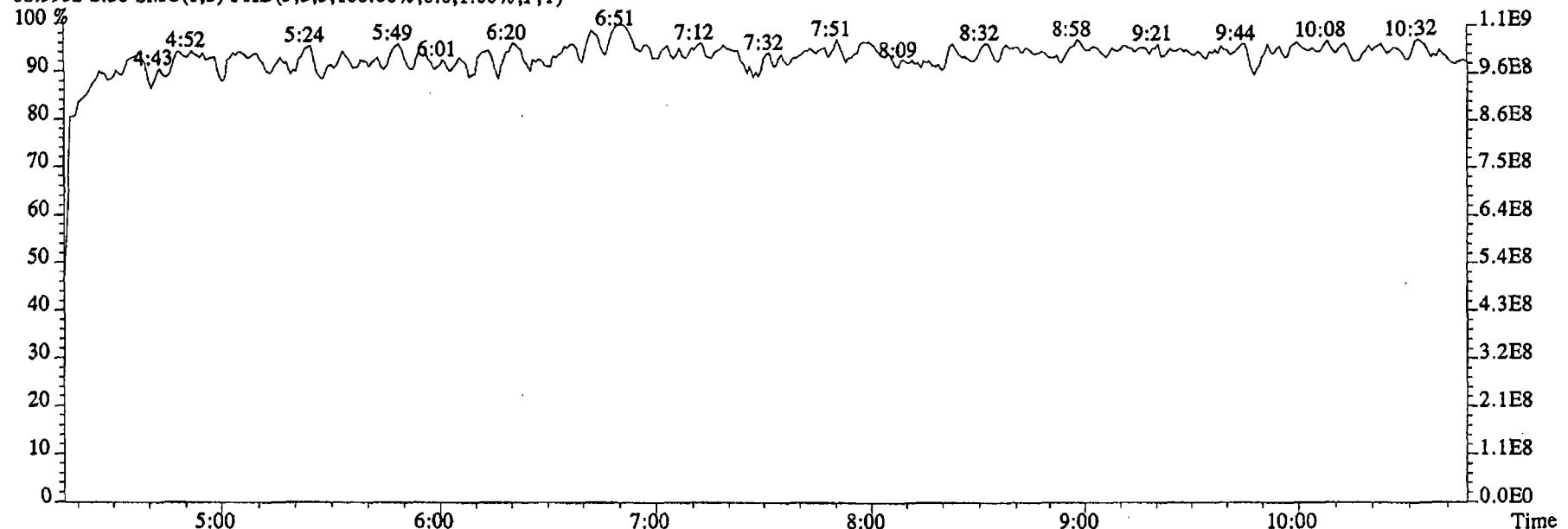
File:16DE045SP #1-591 Acq:17-DEC-2004 04:27:25 GC EI+ Voltage SIR 70SE
 Sample#30 Text:SB1216C :Solvent Blank DCM Exp:NDMAVOA
 113.0032 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2200652.0,1.00%,F,T)



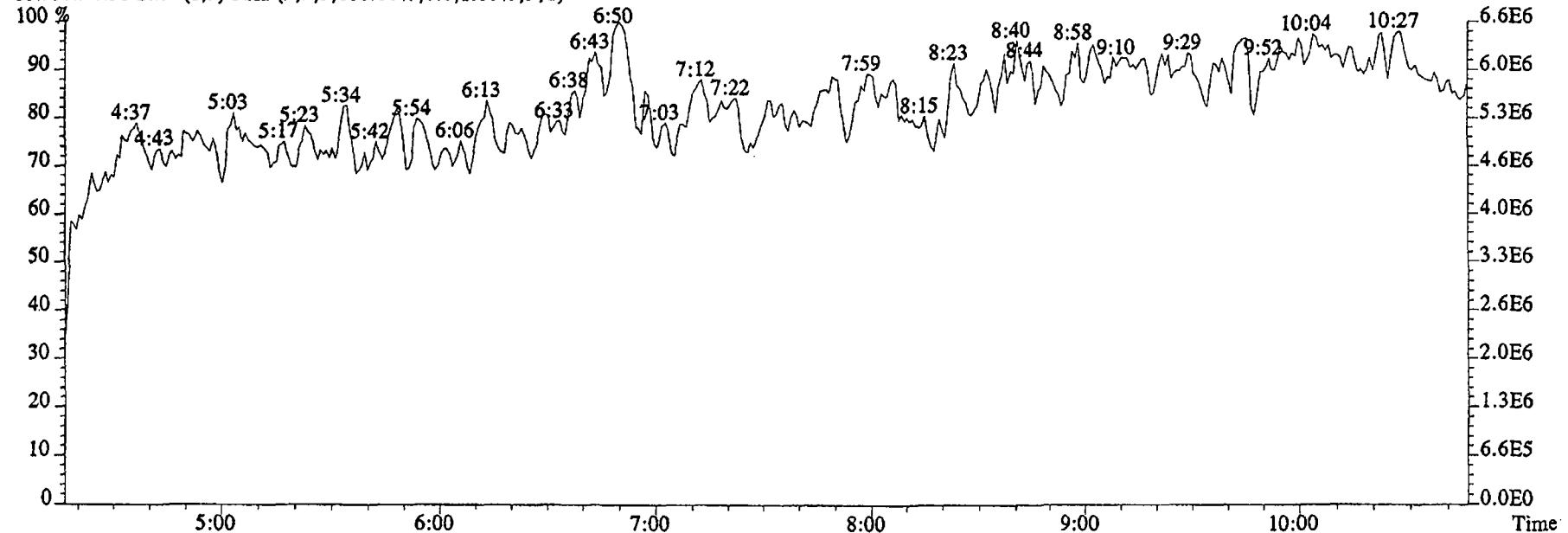
115.0003 S:30 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32860.0,1.00%,F,T)



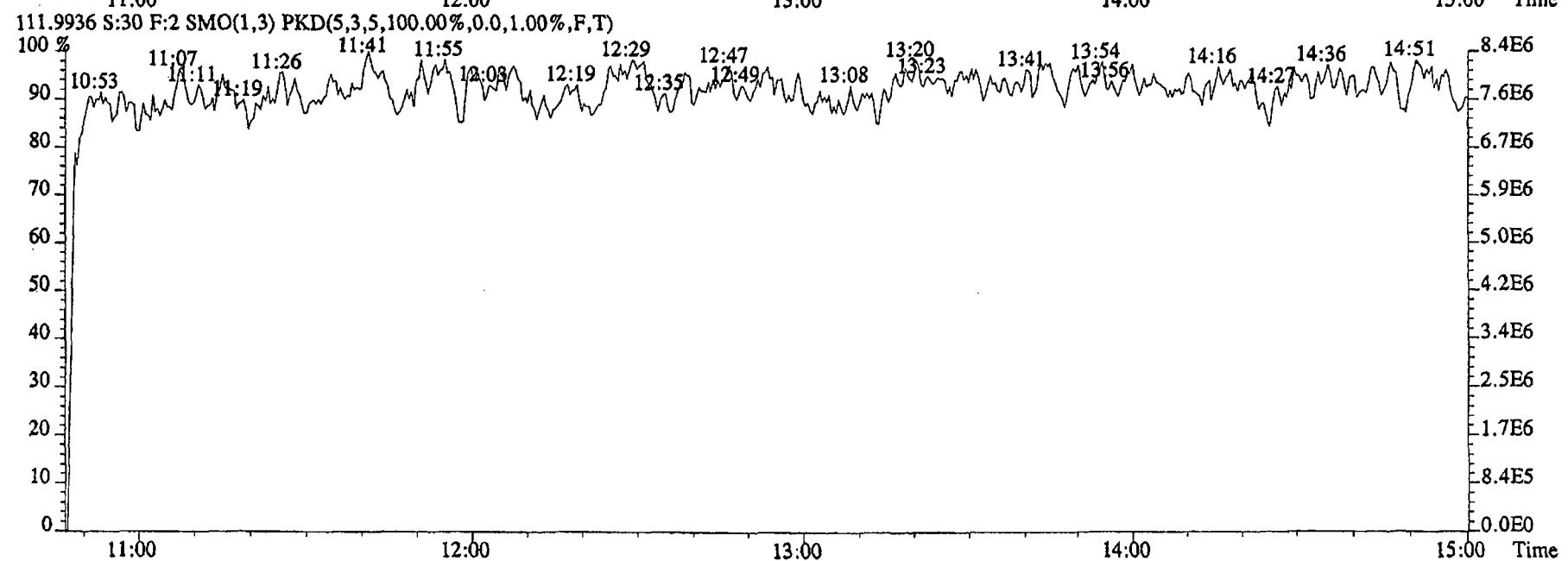
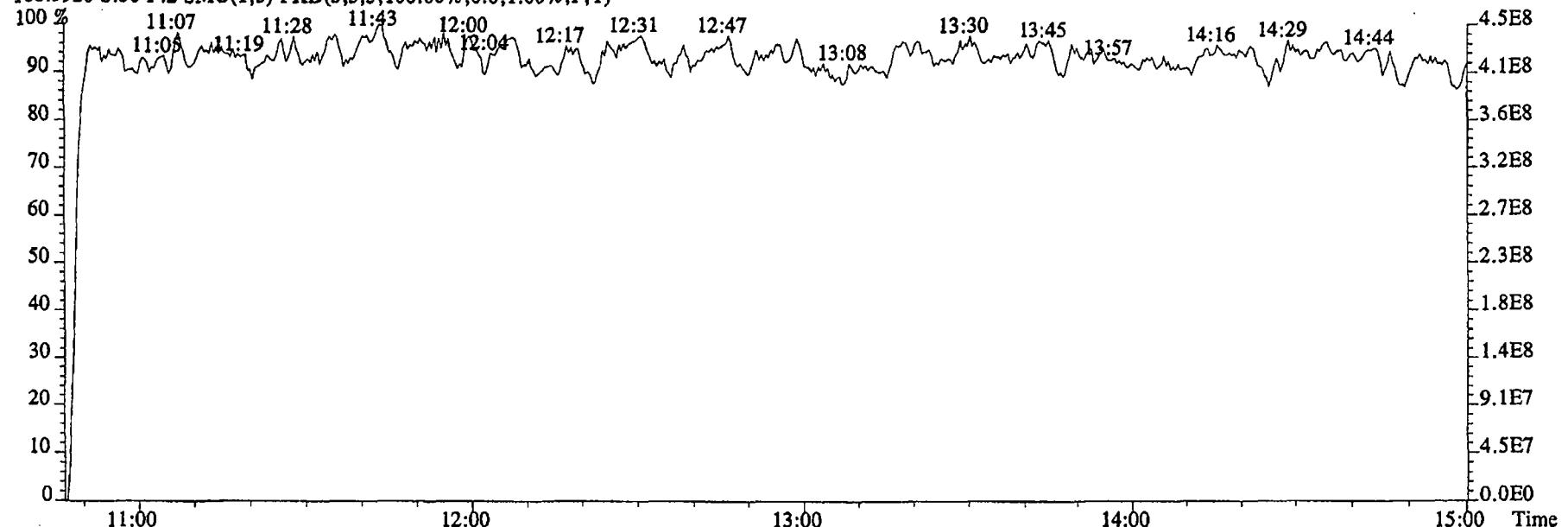
File:16DE045SP #1-480 Acq:17-DEC-2004 04:27:25 GC EI + Voltage SIR 70SE
Sample#30 Text:SB1216C :Solvent Blank DCM Exp:NDMAVOA
68.9952 S:30 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



80.9952 S:30 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 04:27:25 GC EI+ Voltage SIR 70SE
Sample#30 Text:SB1216C :Solvent Blank DCM Exp:NDMAVOA
118.9920 S:30 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



SEVERN
TRENT
SERVICES

Daily Standard Checklist
High Resolution

Method ID 1625 (mo)
 Column ID SP-2331
 STD ID ST1220
 Analyzed By R Sturgeon
 Prepared By C Pickell
 Reviewed By AM

Associated ICAL 1625121604551
 Instrument ID 551
 STD Solution 3350-GPC
 Date Analyzed 12-29-04
 Date Prepared 12-28-04
 Date Reviewed 12-30-04

ANALYSIS CRITERIA	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓/NA①	✓ ①
Copy of log-file and Static Resolution present?	✓	✓
CPSM blow up present?	NA ①	NA ①
Curve Summary present?	✓	✓
Summary of Method criteria present?	NA	NA
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	NA	NA
CPSM valley < method specified limits?**	NA ①	NA ①
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard and ending Static Resolutions present	NA	NA

COMMENTS: ① no CPSM SOLUTION in 1625 METHOD.

- * Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
 Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
 Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
 Method 23: See Method 23 Daily Standard Criteria, Table 5.
 Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria.
 PAH: +/- 30% from curve RRFs for native and labeled compounds.
 PCB: +/- 30% from curve RRFs for native and 50% for labeled compounds.
 NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
 DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

- ** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
 551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
 GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST1220
 Run #6 Filename 20DE045SP S: 1
 Acquired: 20-DEC-04 15:31:58
 Run: CP Analyte: 1625

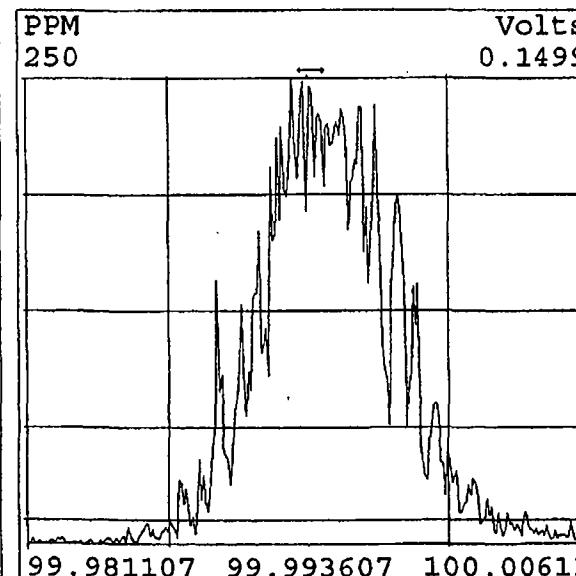
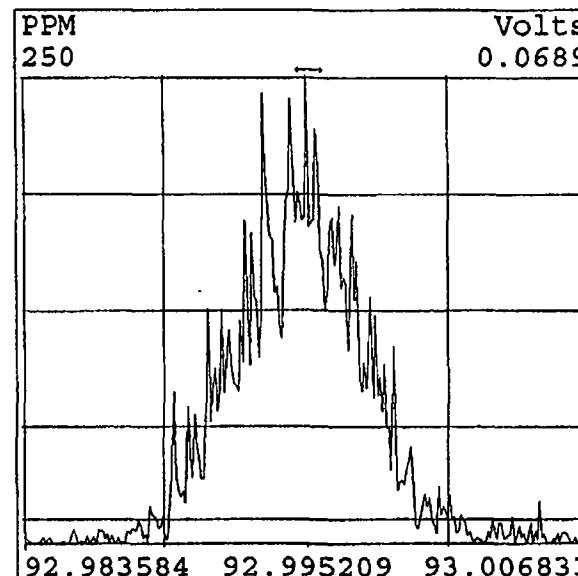
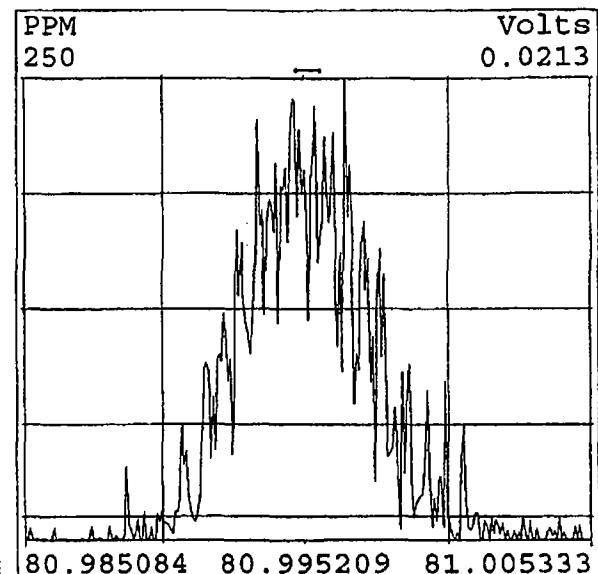
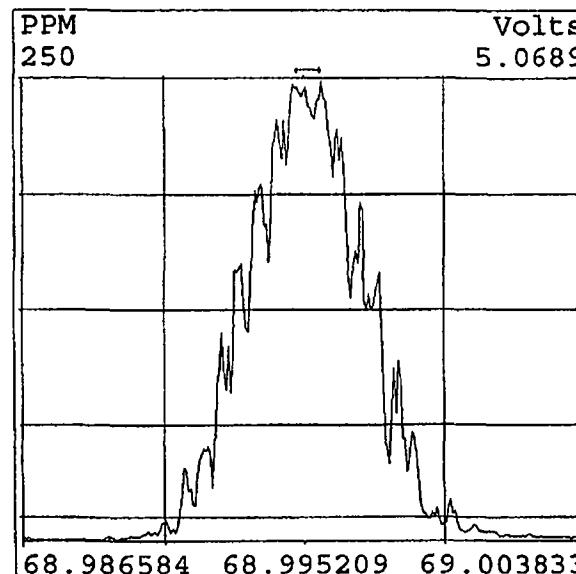
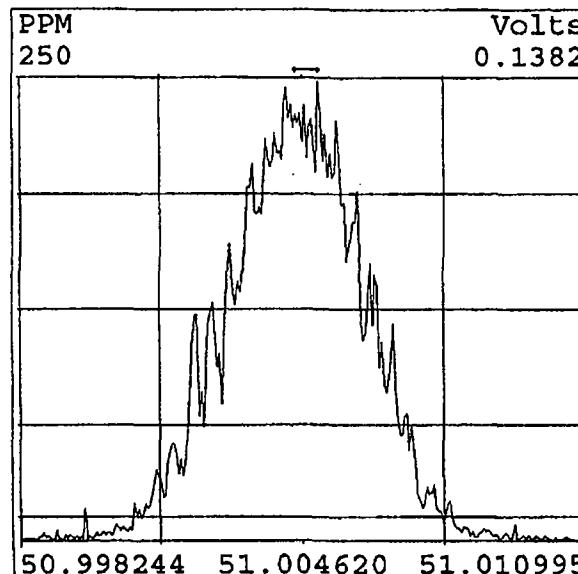
File text: ST1220 :CS3 2350-68C
 I: 1
 Processed: 21-DEC-04 10:22:03
 Cal: 16251216045SP Results: 20DE045SP1625

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
2-Chloropyridine	104535000		11:03	-	200.00	-	n
D8-1,4-Dioxane	175464000		5:06	0.34	1000.00	-48.8	n
1,4-Dioxane	11673000		5:06	1.33	50.00	26.2	n
D5-123-TriChloroPropane	86068900		9:59	1.65	100.00	-30.0	n
1,2,3-TriChloroPropane	16969400		10:03	0.39	50.00	-18.1	n
1,2,3-TriChloroPropane	53851800		10:03	-	50.00	-	n
D6-NDMA	43381200		10:10	0.83	100.00	-44.0	n
NDMA	25170100		10:09	1.16	50.00	-15.5	n
2-Chloropyridine	341403000		11:03	-	200.00	-	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
20DE045SP	1	ST1220	CS3 2350-68C				1.000	
20DE045SP	2	SB1220	Solvent Blank DCM				1.000	
20DE045SP	3	G05QJ-1-AAB	E4L090217-1MB	500	1625/WATER	VS55	1.000	L
20DE045SP	4	G05QJ-1-ADL	E4L090217-1DCS	500	1625/WATER		1.000	L
20DE045SP	5	GX4KF-1-AA	G4L130173-1LCS	500	1625/WATER	VS55	10.000	g
20DE045SP	6	GX4KG-1-AA	G4L130173-5MS	500	1625/WATER		10.000	g
20DE045SP	7	GX4KG-1-AA	G4L130173-5SD	500	1625/WATER		10.000	g
20DE045SP	8	G01R9-1-AD	G4L020149-MB2	500	1625/WATER	VS54	1.000	L
20DE045SP	9	GX4KE-1-AA	G4L020149-3	500	1625/WATER		0.977	L
20DE045SP	10						1.000	
20DE045SP	11						1.000	
20DE045SP	12						1.000	
20DE045SP	13						1.000	
20DE045SP	14						1.000	
20DE045SP	15						1.000	
20DE045SP	16						1.000	
20DE045SP	17						1.000	
20DE045SP	18		KAS 12-20-04				1.000	
20DE045SP	19						1.000	
20DE045SP	20						1.000	

200f:le check
 12-21-07
 (P)

Peak Locate Examination:20-DEC-2004:11:27 File:20DE045SP
Experiment:NDMAVOA Function:1 Reference:PFK



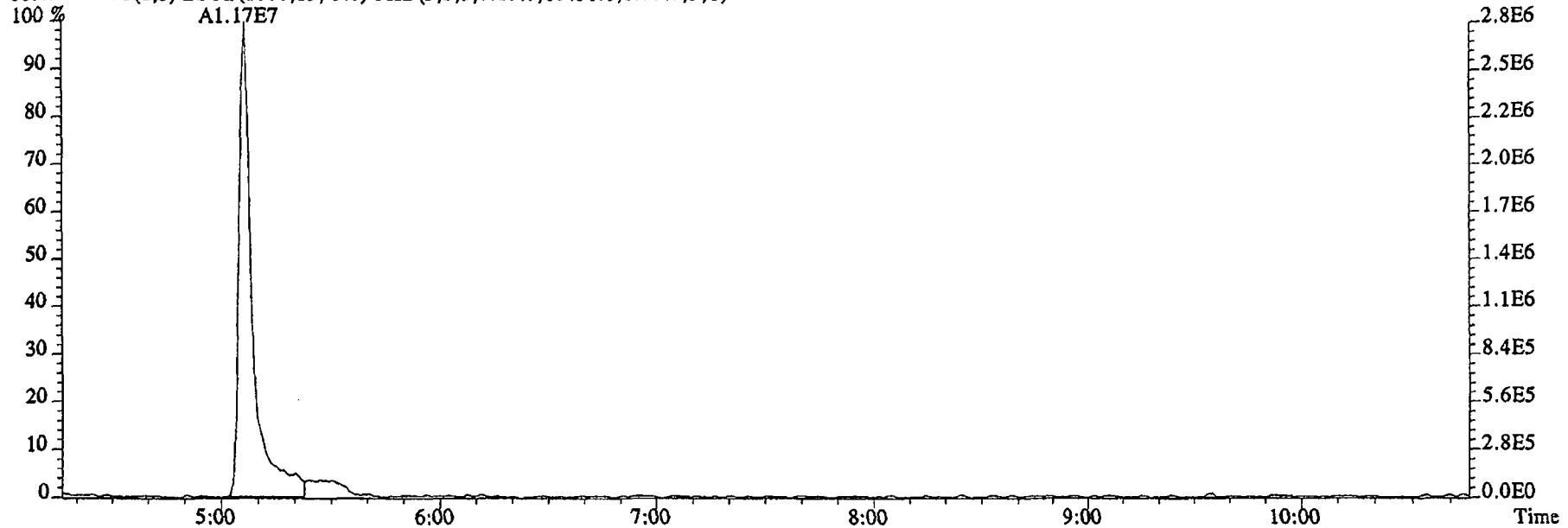
Page 1 of 1

Run: CP Analyte: 1625 Cal: 16251216045SP

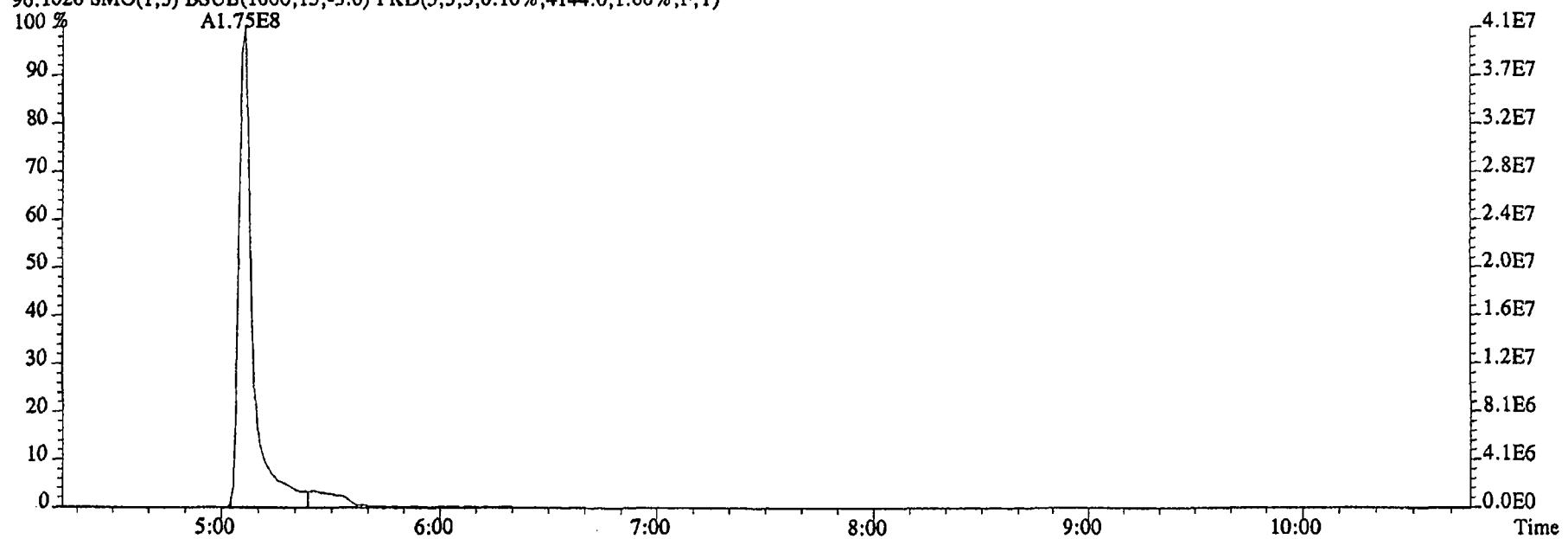
ST1216 :CS1 2350-68A	ST1216A :CS2 2350-68B	ST1216B :CS3 2350-68C
ST1216C :CS4 2350-68D	ST1216D :CS5 2350-68E	

Name	Mean	S. D.	%RSD	16DE045SP	16DE045SP	16DE045SP	16DE045SP	16DE045SP
				S1 RRF1	S2 RRF2	S3 RRF3	S4 RRF4	S5 RRF5
2-Chloropyridine	-	-	- %	-	-	-	-	-
D8-1,4-Dioxane	0.655	0.110	16.8 %	0.59	0.60	0.76	0.79	0.54
1,4-Dioxane	1.054	0.135	12.8 %	1.07	0.90	0.96	1.09	1.25
D5-123-TriChloroPropane	2.351	0.108	4.60 %	2.53	2.35	2.28	2.25	2.35
1,2,3-TriChloroPropane	0.482	0.031	6.41 %	0.46	0.45	0.47	0.52	0.51
1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
D6-NDMA	1.481	0.073	4.91 %	1.50	1.43	1.38	1.52	1.57
NDMA	1.374	0.065	4.74 %	1.29	1.32	1.39	1.44	1.42
2-Chloropyridine	-	-	- %	-	-	-	-	-

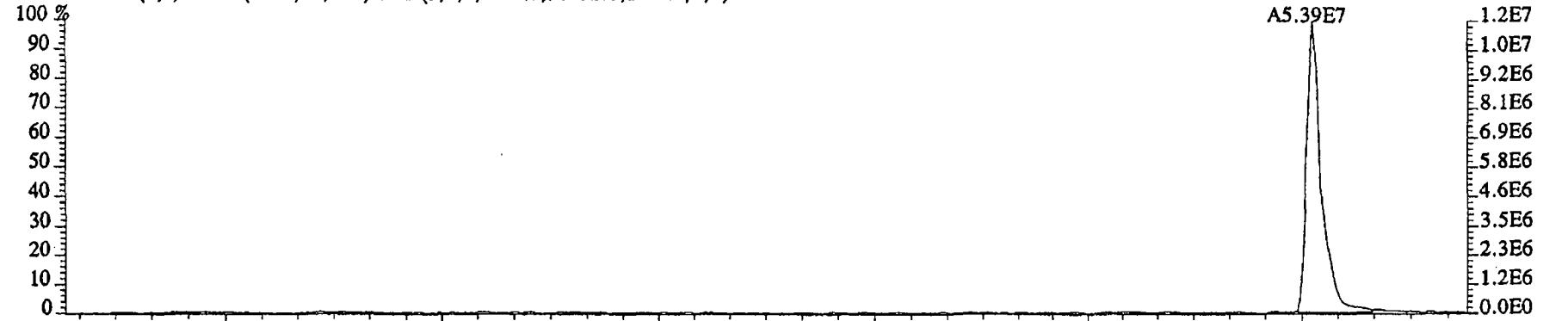
File:20DE045SP #1-480 Acq:20-DEC-2004 15:31:58 GC EI + Voltage SIR 70SE
Sample#1 Text:ST1220 :CS3 2350-68C Exp:NDMAVOA
88.0524 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11436.0,1.00%,F,T)



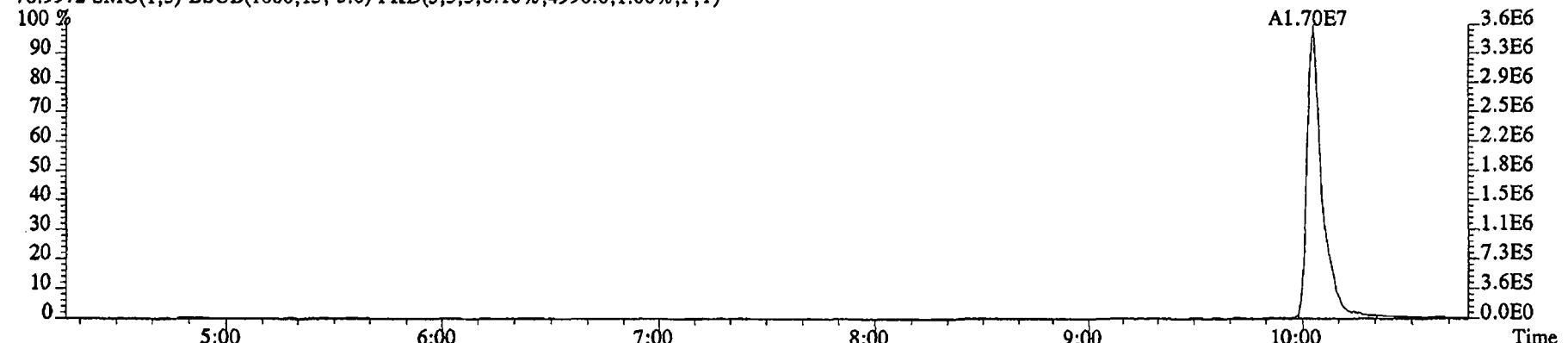
96.1026 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4144.0,1.00%,F,T)



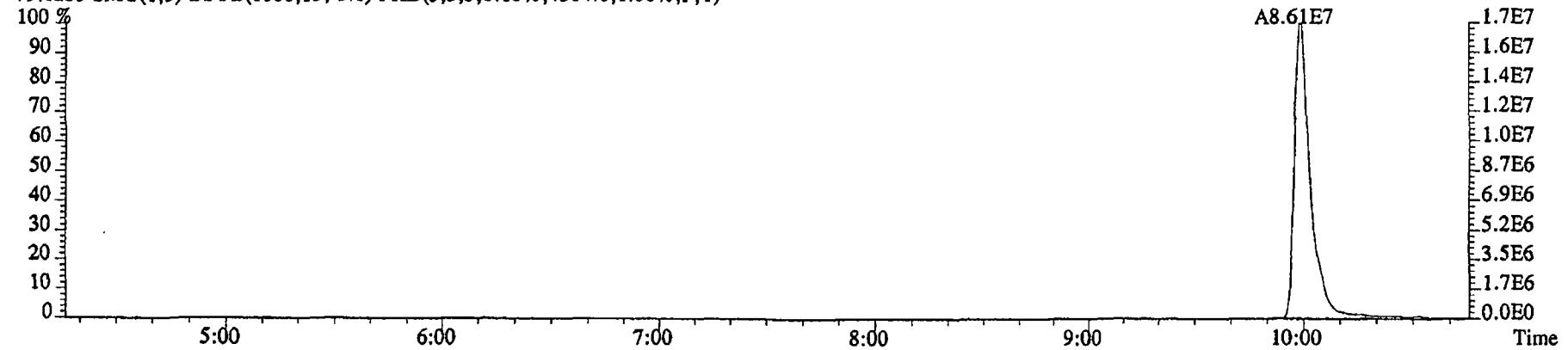
File:20DE045SP #1-480 Acq:20-DEC-2004 15:31:58 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1220 :CS3 2350-68C Exp:NDMAVOA
75.0002 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56732.0,1.00%,F,T)



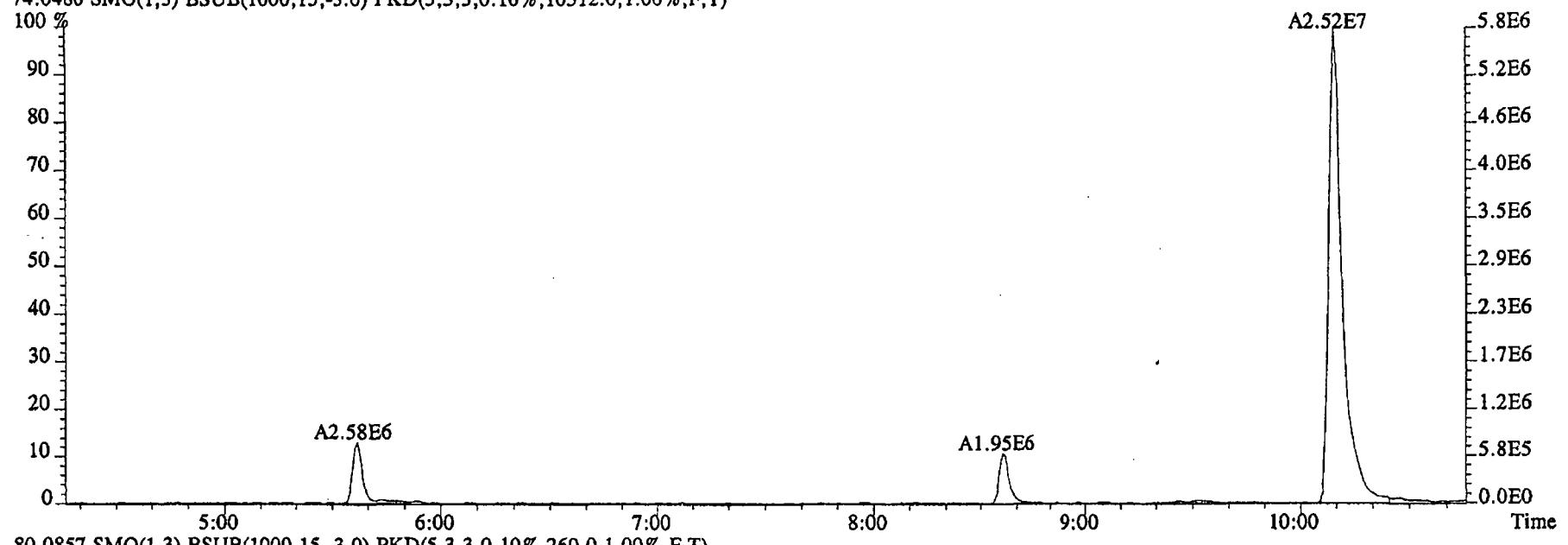
76.9972 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4996.0,1.00%,F,T)



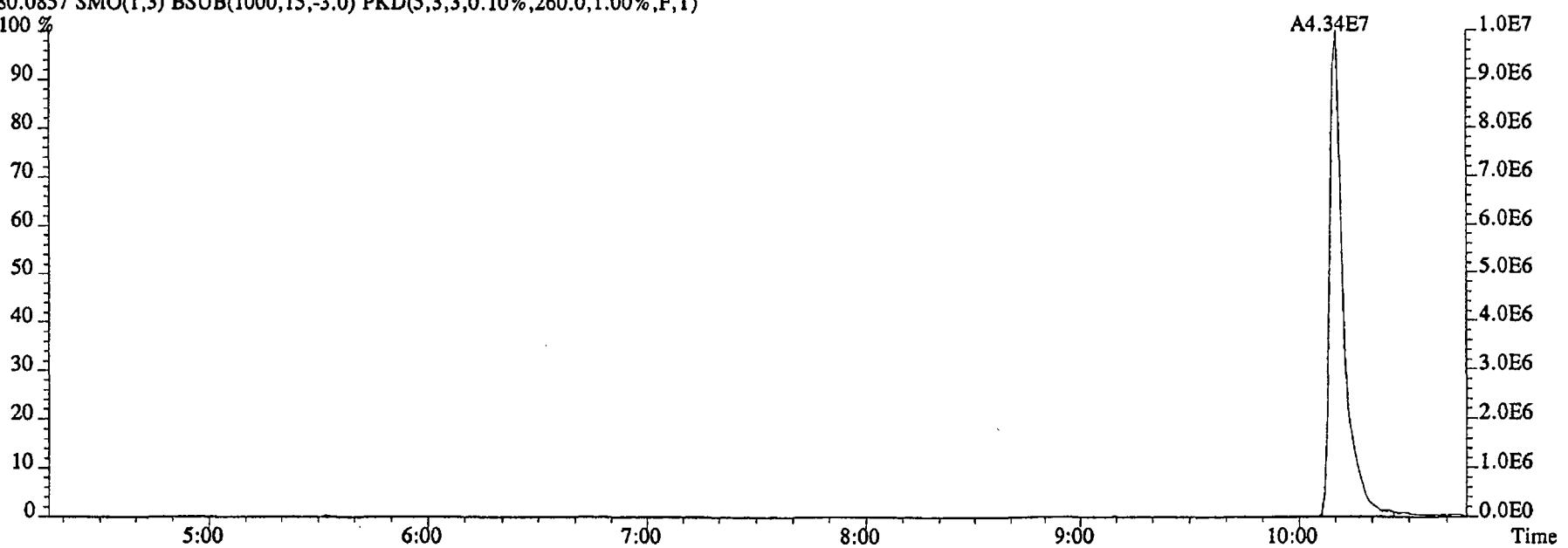
79.0253 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4564.0,1.00%,F,T)



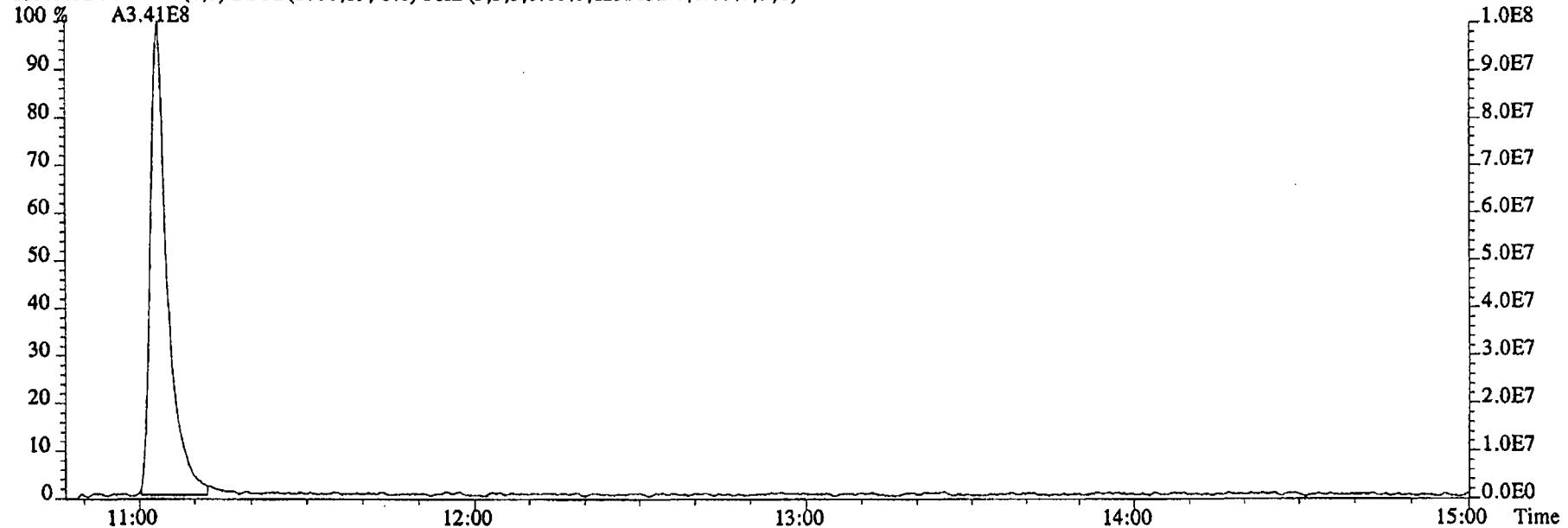
File:20DE045SP #1-480 Acq:20-DEC-2004 15:31:58 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1220 :CS3 2350-68C Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10512.0,1.00%,F,T)



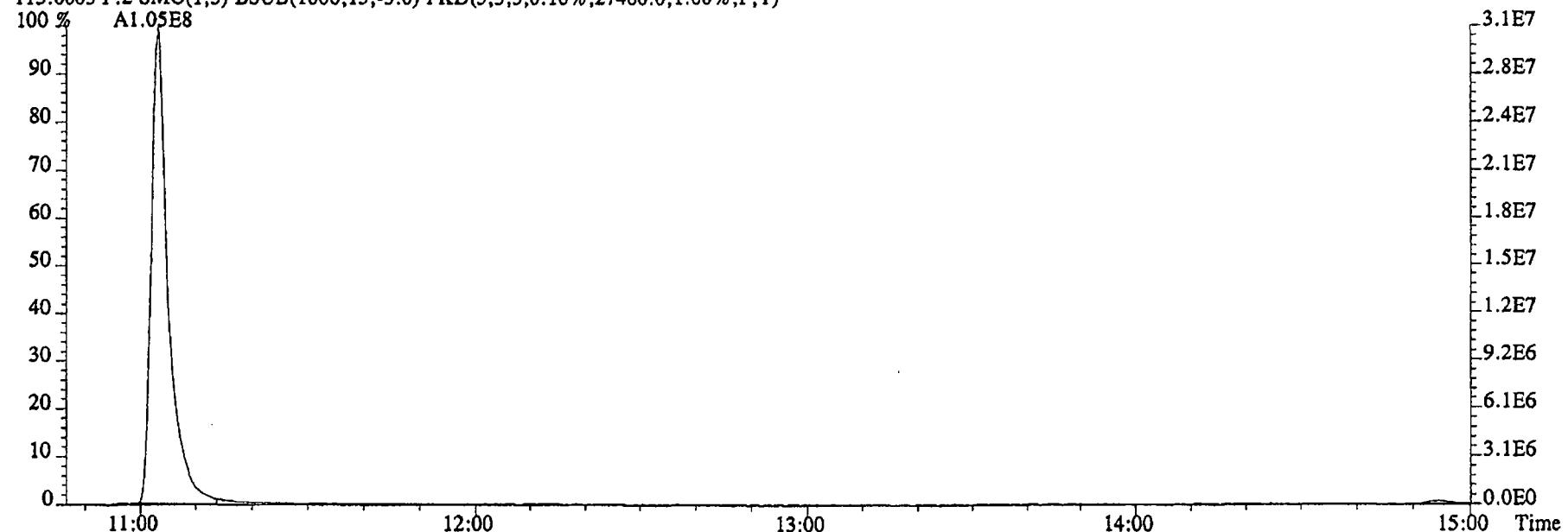
80.0857 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,260.0,1.00%,F,T)



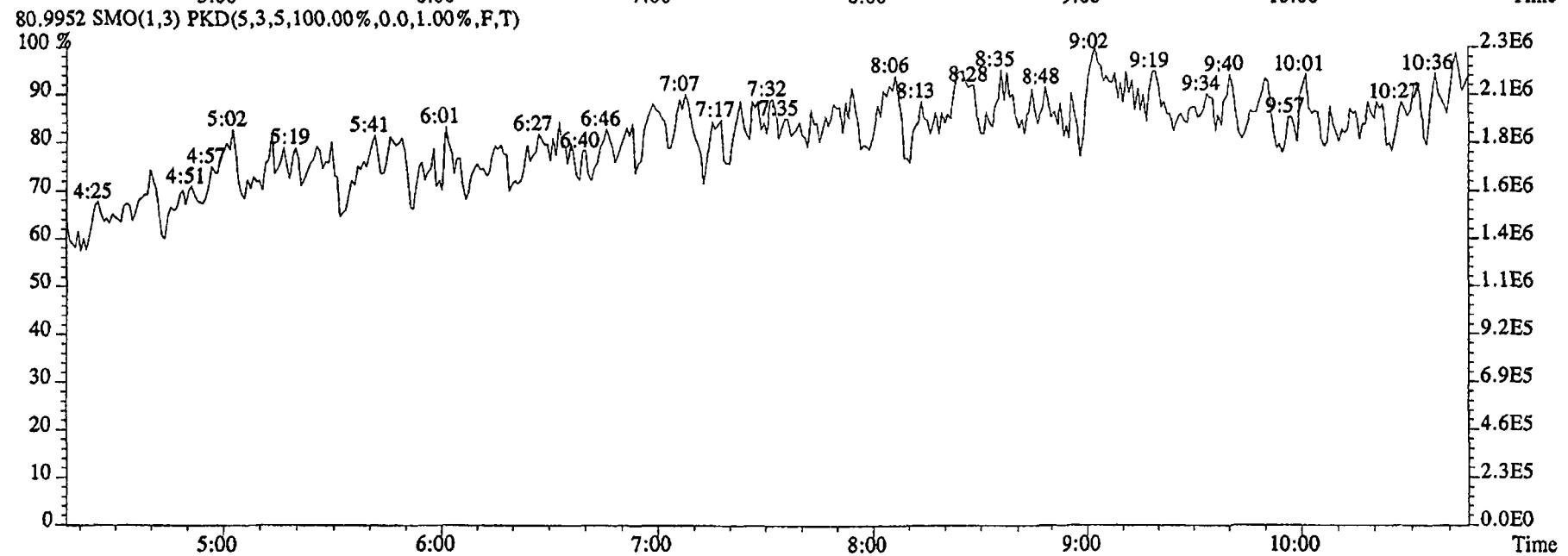
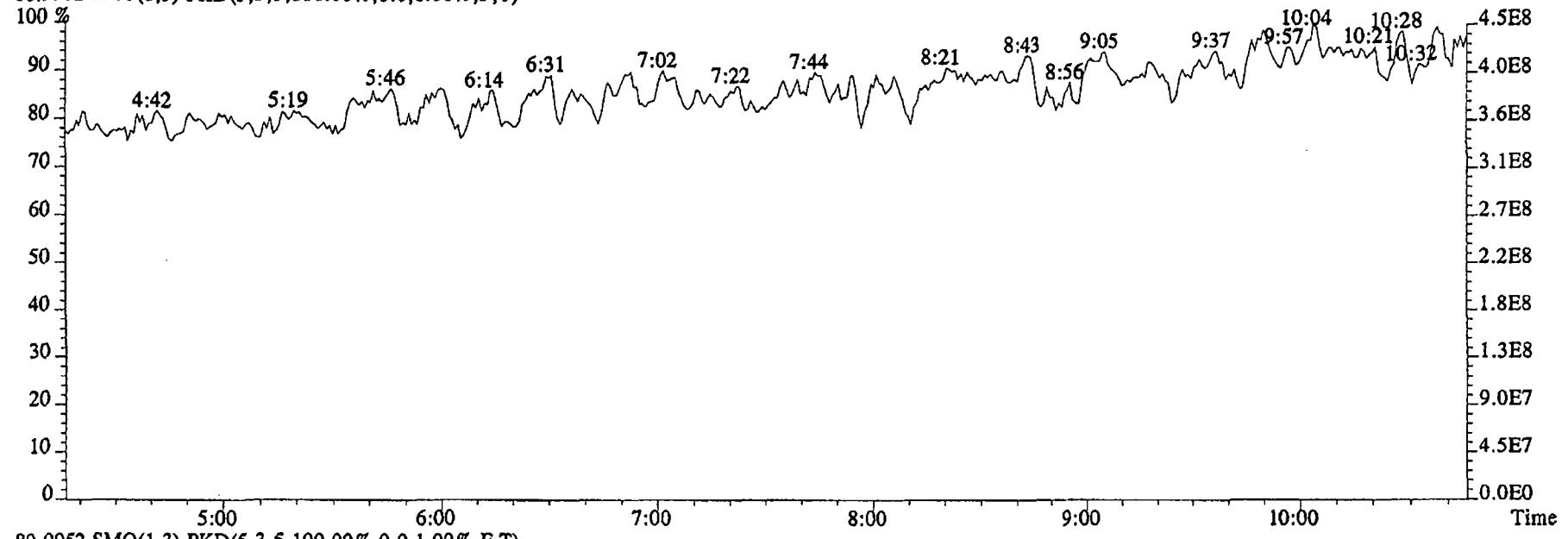
File:20DE04SSP #1-591 Acq:20-DEC-2004 15:31:58 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1220 :CS3 2350-68C Exp:NDMAVOA
113.0032 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1255032.0,1.00%,F,T)



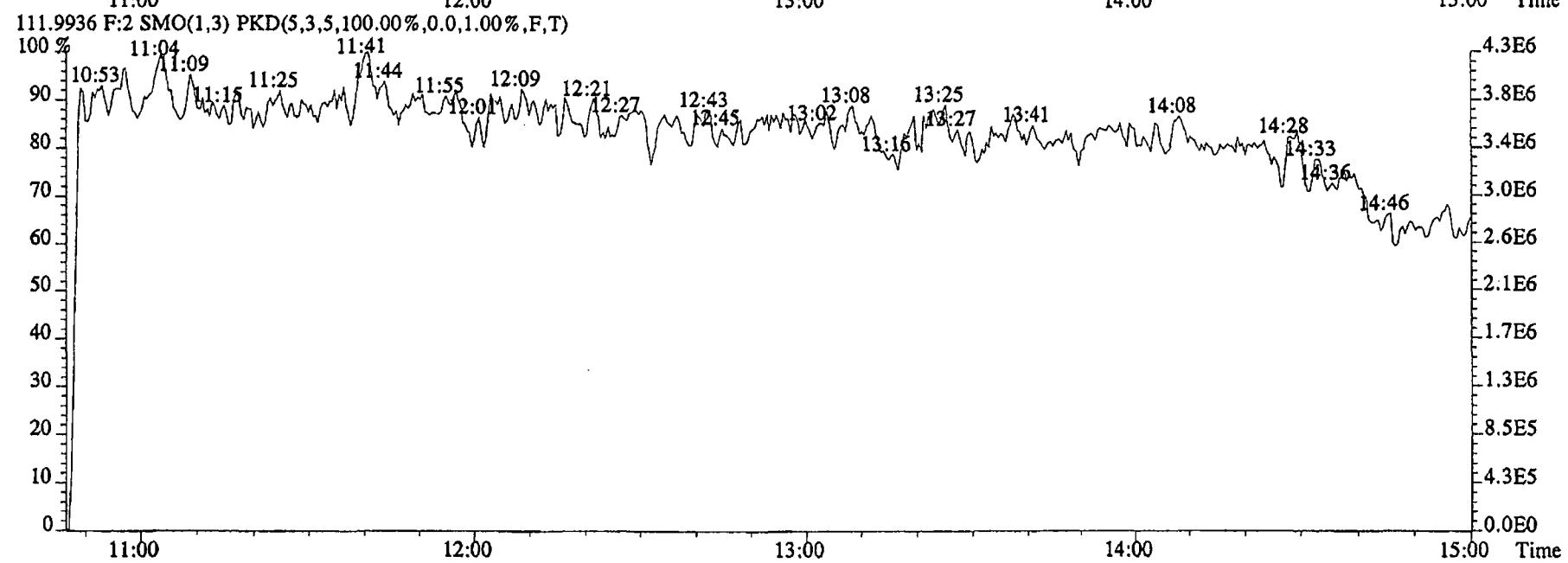
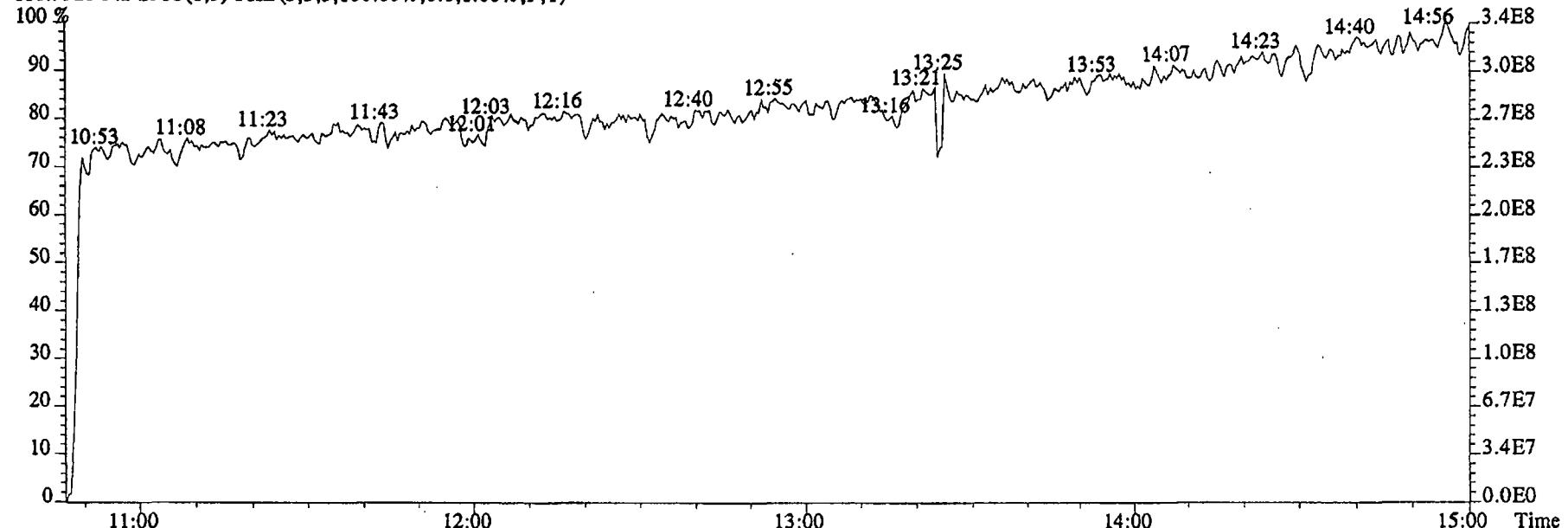
115.0003 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27460.0,1.00%,F,T)



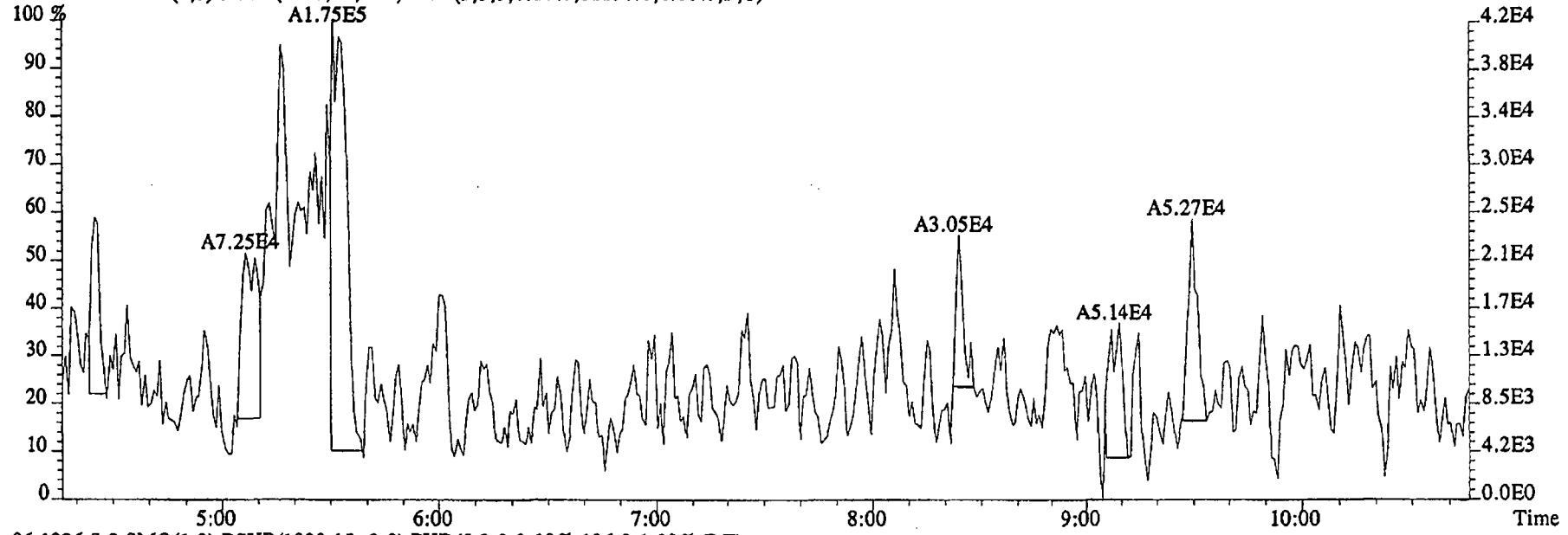
File:20DE045SP #1-480 Acq:20-DEC-2004 15:31:58 GC El+ Voltage SIR 70SE
 Sample#1 Text:ST1220 :CS3 2350-68C Exp:NDMAVOA
 68.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



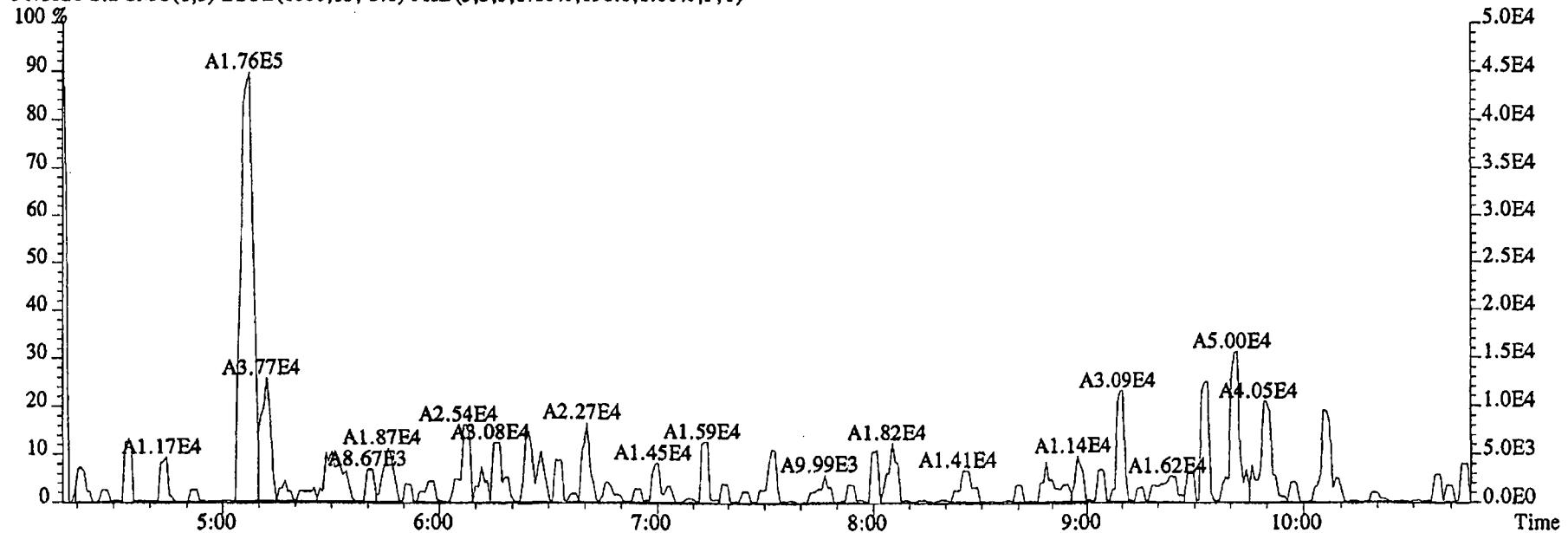
File:20DE045SP #1-591 Acq:20-DEC-2004 15:31:58 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST1220 :CS3 2350-68C Exp:NDMAVOA
 118.9920 F:2 SMO(1,3) PKD(S,3,5,100.00%,0.0,1.00%,F,T)



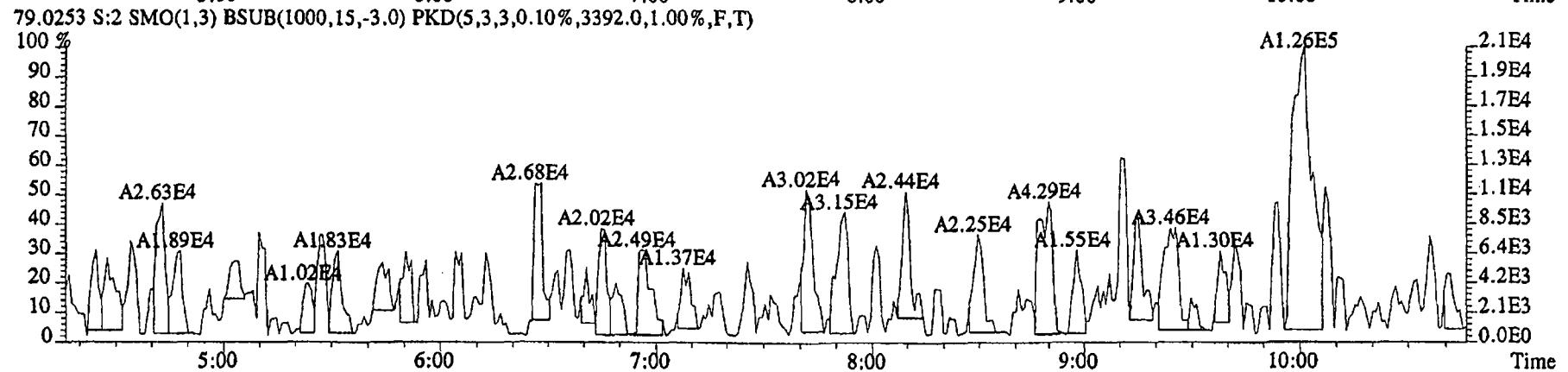
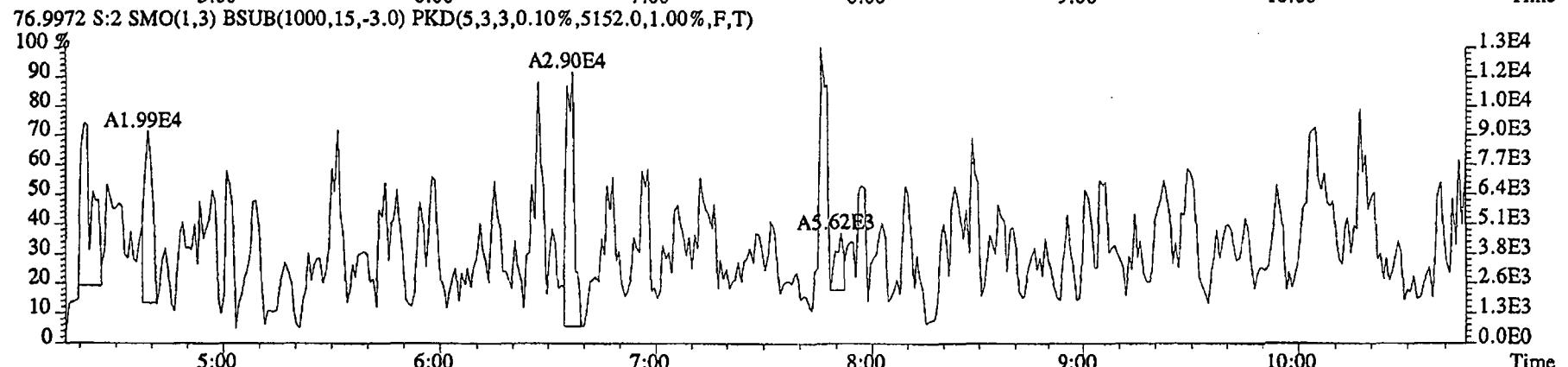
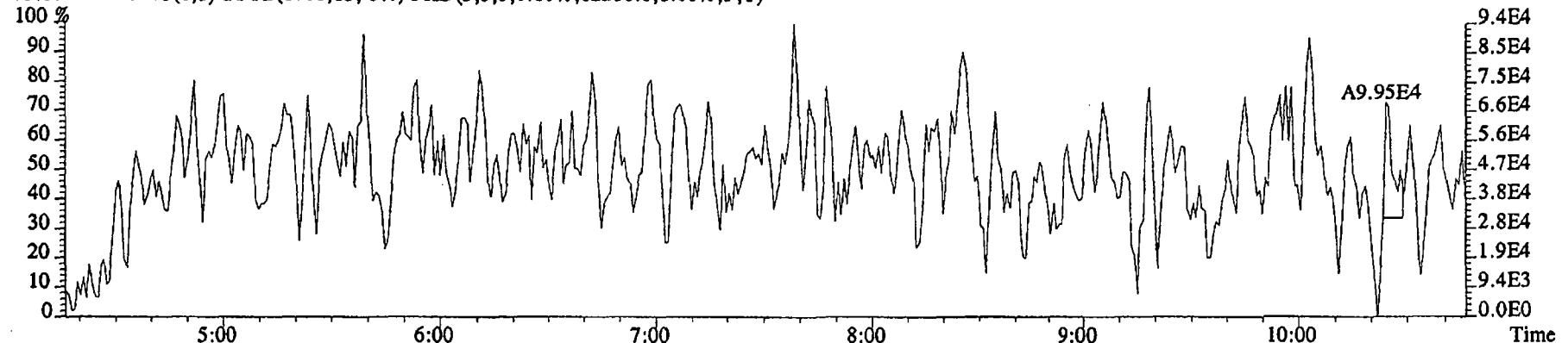
File:20DE045SP #1-480 Acq:20-DEC-2004 16:09:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:SB1220 :Solvent Blank DCM Exp:NDMAVOA
 88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12256.0,1.00%,F,T)



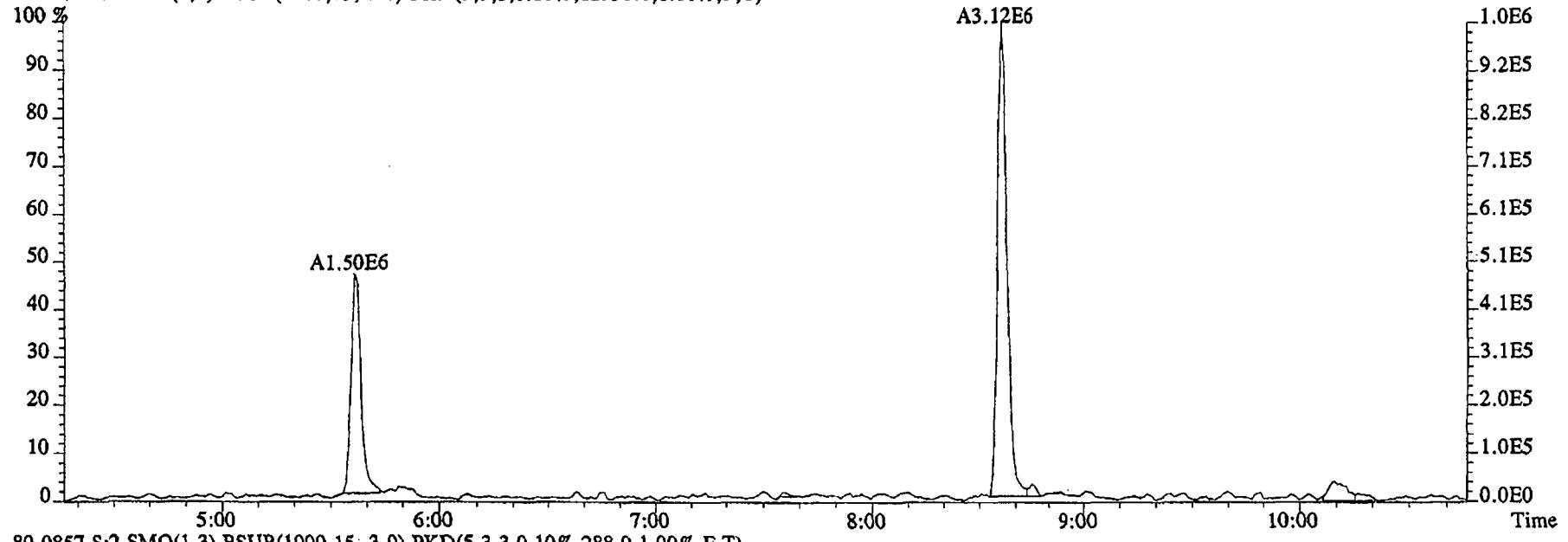
96.1026 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,196.0,1.00%,F,T)



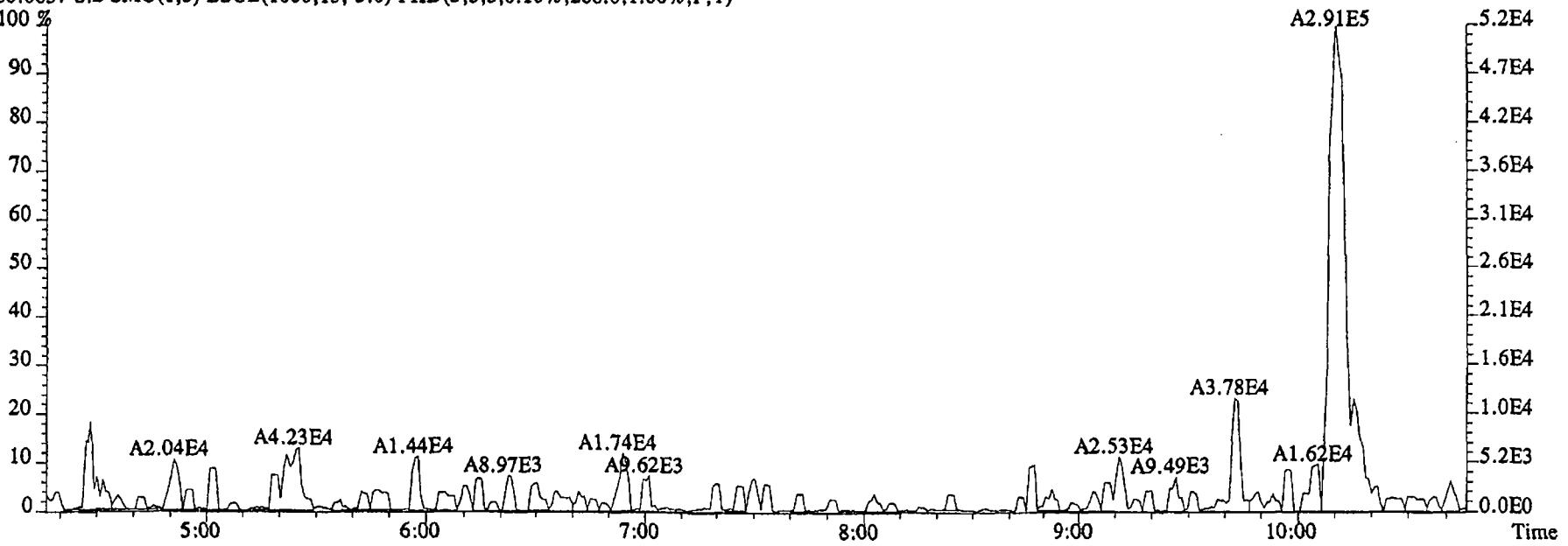
File:20DE045SP #1-480 Acq:20-DEC-2004 16:09:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:SB1220 Solvent:Blank DCM Exp:NDMAVOA
 75.0002 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62216.0,1.00%,F,T)



File:20DE045SP #1-480 Acq:20-DEC-2004 16:09:05 GC EI+ Voltage SIR 70SE
 Sample#2 Text:SB1220 :Solvent Blank DCM Exp:NDMAVOA
 74.0480 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12996.0,1.00%,F,T)



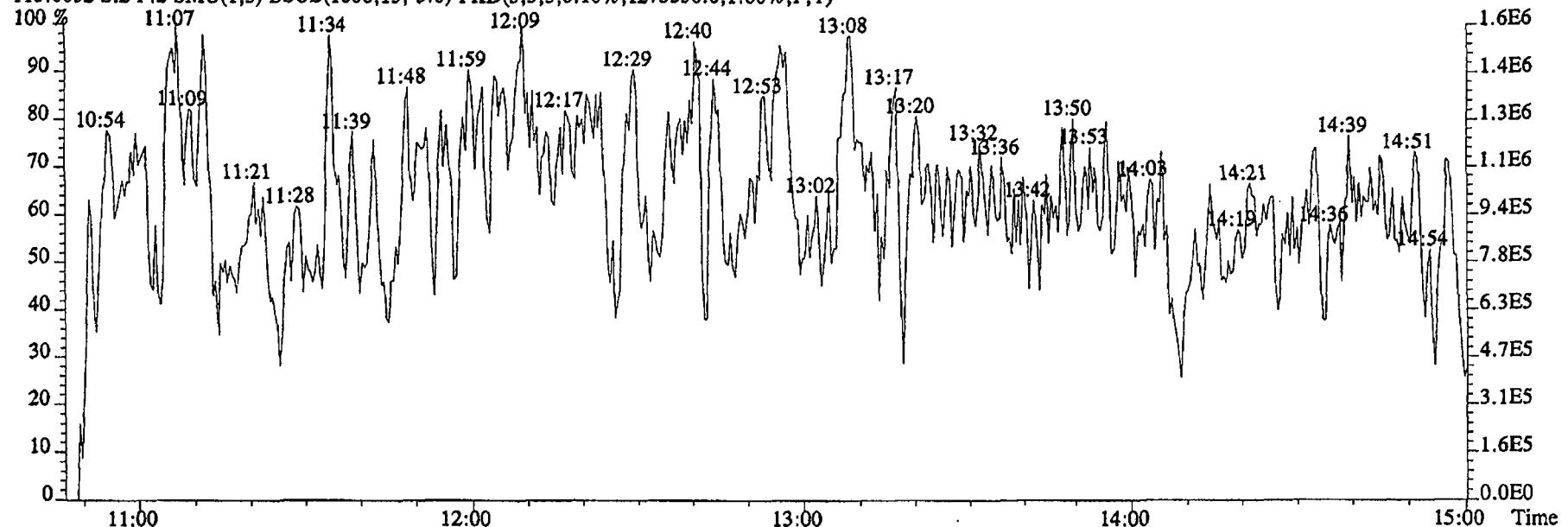
80.0857 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,288.0,1.00%,F,T)



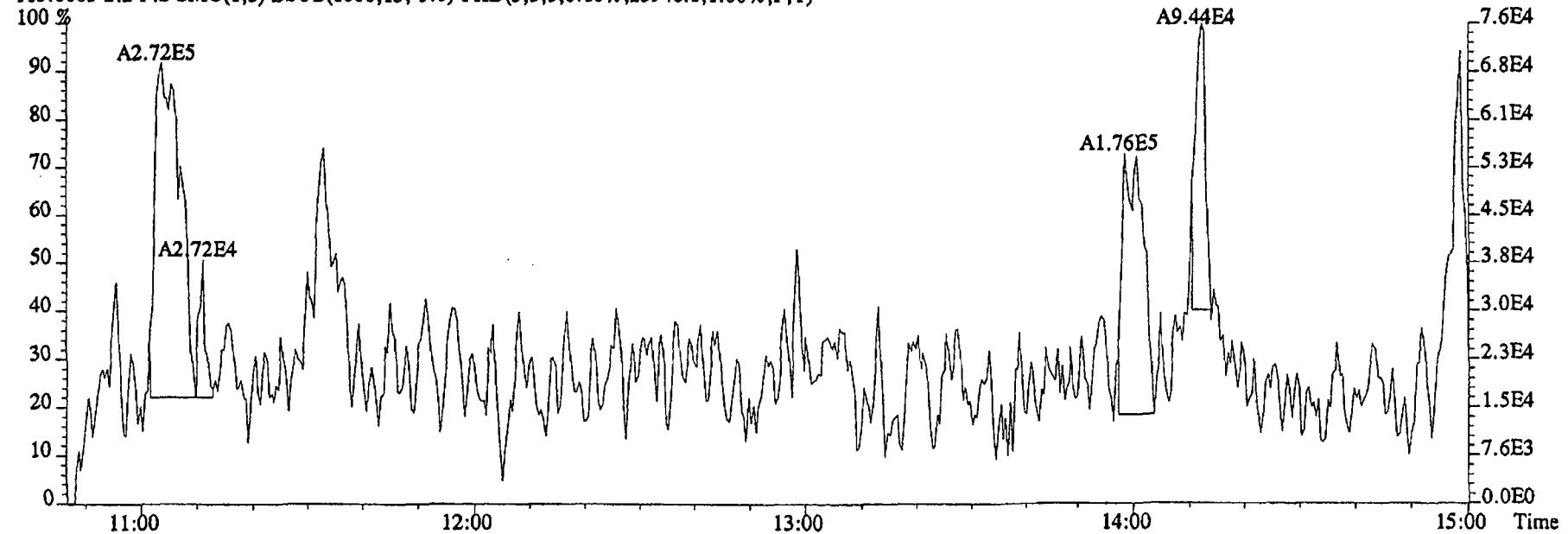
File:20DE045SP #1-591 Acq:20-DEC-2004 16:09:05 GC EI+ Voltage SIR 70SE

Sample#2 Text:SB1220 Solvent Blank DCM Exp:NDMAVOA

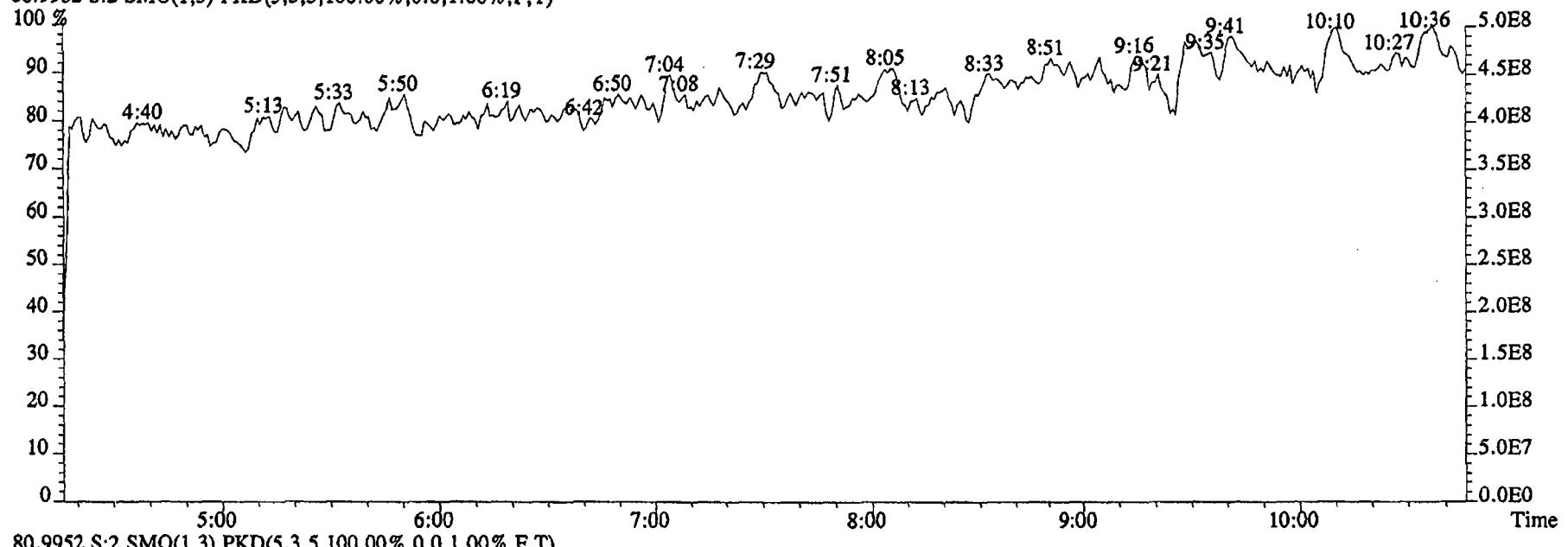
113.0032 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1275336.0,1.00%,F,T)



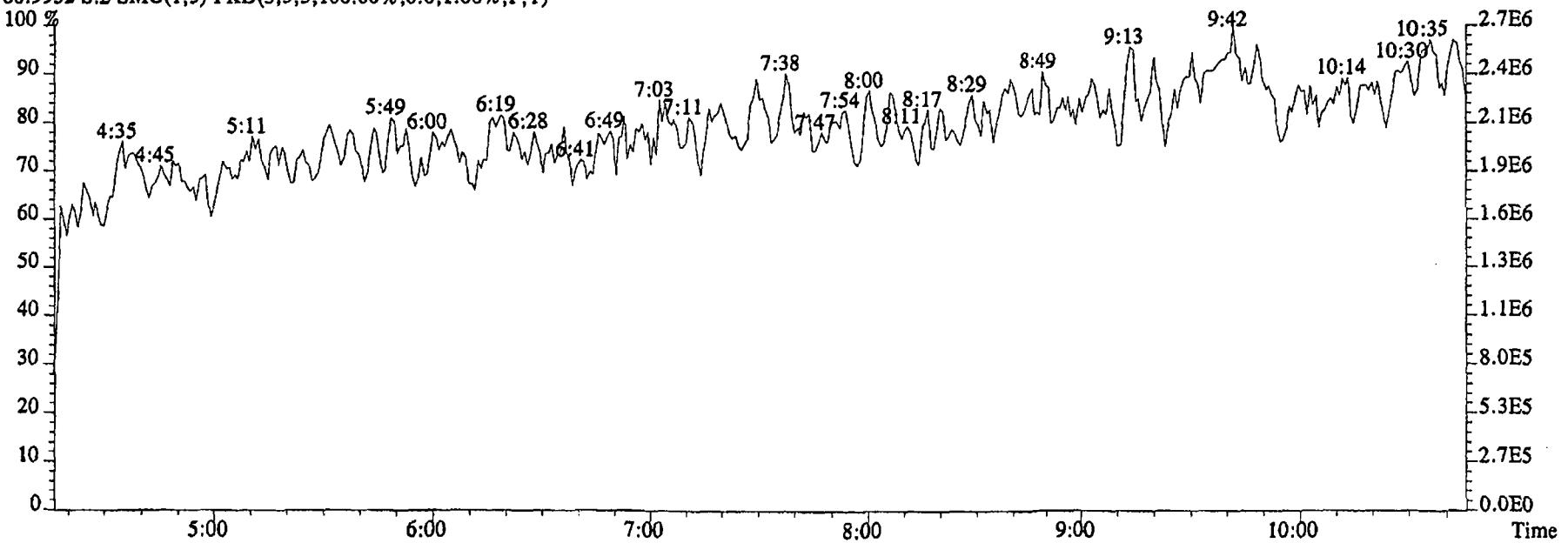
115.0003 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,25948.0,1.00%,F,T)



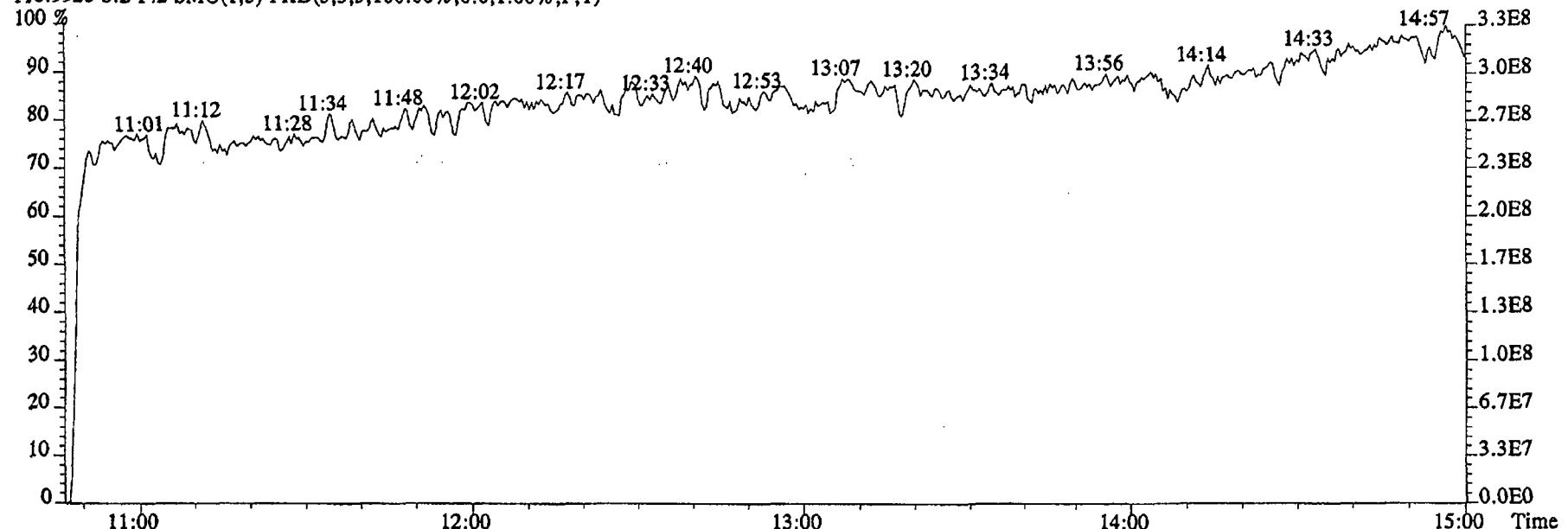
File:20DE045SP #1-480 Acq:20-DEC-2004 16:09:05 GC EI+ Voltage SIR 70SE
Sample#2 Text:SB1220 :Solvent Blank DCM Exp:NDMAVOA
68.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



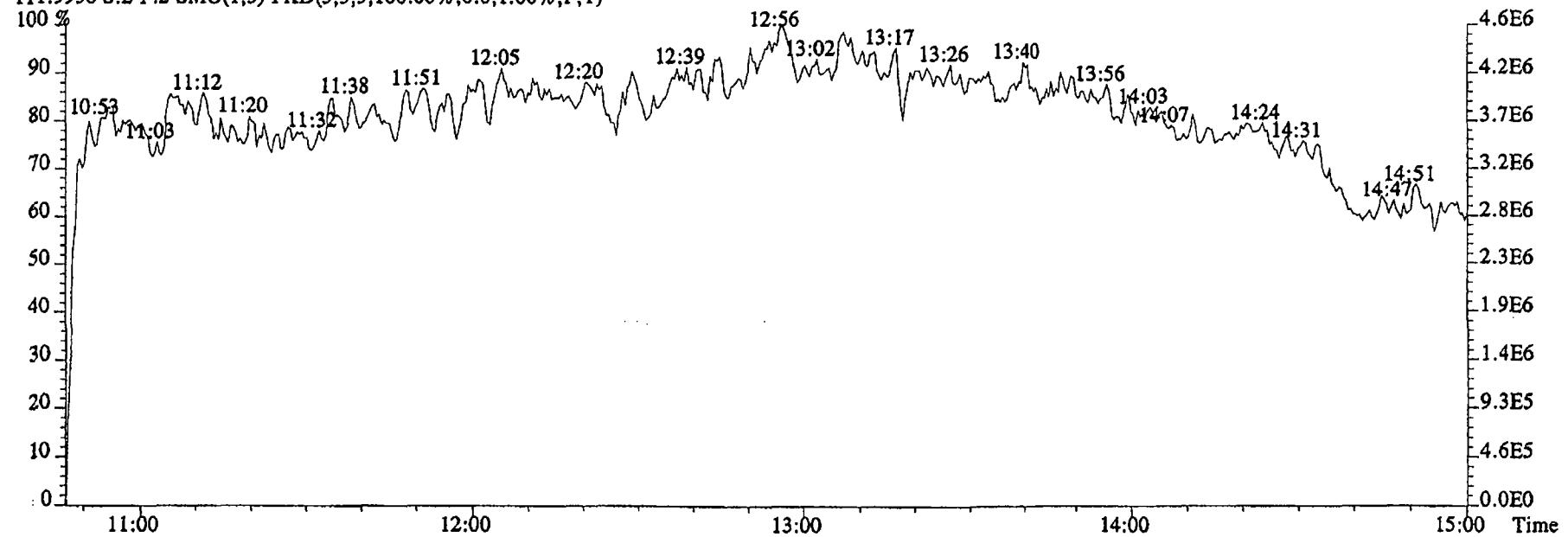
80.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:20DE045SP #1-591 Acq:20-DEC-2004 16:09:05 GC EI + Voltage SIR 70SE
Sample#2 Text:SB1220 :Solvent Blank DCM Exp:NDMAVOA
118.9920 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Initial Calibration Checklist
High Resolution

ICAL ID 16251216045SP

Method ID 1625

Column ID SP-2331

Instrument ID 5SP

STD ID's ST1216 & ST1216(A-D)

STD Solution 2350-68(A-E)

Analyzed By AVN

Multiplier Setting 720

Prepared By KAS

Date Analyzed 12/16/04

Reviewed By CpinkM

Date Prepared 12/17/04

Date Reviewed 12-17-04

ANALYSIS OF ICAL		INITIATED	ASSESSED	REVIEWED
Curve summary present?	✓			✓
Hardcopies of chromatograms for CS1-CS5 present?	✓			✓
Copy of log-file present?	✓			✓
Static resolution check present?	✓			✓
Target file RT's correct?	✓			✓
%RSD within method-specified limits?	✓			✓
Signal-to-noise criteria met?	✓			✓
Isotopic ratios within limits?	NA			NA
High point free of saturation?	✓			✓
Are chromatographic windows correct?	✓			✓
Manual reintegration's checked and hardcopies included?	NA			NA

COMMENTS:

Method 8290: %RSD \leq 20% for natives, \leq 30% for labeled analytes; S/N \geq 10

Method 1613A: %CV \leq 35% (See Table 7, Method 1613A); S/N \geq 10

Method 23: %RSD \leq values specified in Table 5, Method 23; S/N $>$ 2.5

PAH: %RSD \leq 30% for natives and labeled compounds; S/N \geq 10

PCB: %RSD \leq 20% for natives, \leq 40% for labeled compounds; S/N \geq 2.5

NCASI 551: %RSD \leq 20% for natives and labeled compounds; \geq 5

DBD/DBF: %RSD \leq 30% for natives, \leq 40% for labeled analytes; S/N \geq 10

Page 1 of 1

Run: 16DE045SPIC₇ Analyte: 1625

Cal: 16251216045SP

ST1216 :CS1 2350-68A

ST1216C :CS4 2350-68D

ST1216A :CS2 2350-68B

ST1216D :CS5 2350-68E

ST1216B :CS3 2350-68C

Name	Mean	S. D.	%RSD	S1	S2	S3	S4	S5
2-Chloropyridine	-	-	- %	RRF1	RRF2	RRF3	RRF4	RRF5

D8-1,4-Dioxane	0.655	0.110	16.8 %	0.59	0.60	0.76	0.79	0.54
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1,4-Dioxane	1.054	0.135	12.8 %	1.07	0.90	0.96	1.09	1.25
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D5-123-TriChloroPropane	2.351	0.108	4.60 %	2.53	2.35	2.28	2.25	2.35
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1,2,3-TriChloroPropane	0.482	0.031	6.41 %	0.46	0.45	0.47	0.52	0.51
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1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
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D6-NDMA	1.481	0.073	4.91 %	1.50	1.43	1.38	1.52	1.57
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NDMA	1.374	0.065	4.74 %	1.29	1.32	1.39	1.44	1.42
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2-Chloropyridine	-	-	- %	-	-	-	-	-
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Run #1 Filename 16DE045SP S: 1 I: 1
 Acquired: 16-DEC-04 18:38:32 Processed: 16-DEC-04 20:22:18
 Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
 Comments:

Sample text: ST1216 :CS1 2350-68A

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	96609900		11:05	-	200.00	n
D8-1,4-Dioxane	286004000		5:07	0.59	1000.00	n
1,4-Dioxane	614779		5:07	1.07	2.00	n
D5-123-TriChloroPropane	122172000		10:00	2.53	100.00	n
1,2,3-TriChloroPropane	1130890		10:04	0.46	2.00	n
1,2,3-TriChloroPropane	3095370		10:04	-	2.00	n
D6-NDMA	72477700		10:11	1.50	100.00	n
NDMA	1869940		10:11	1.29	2.00	n
2-Chloropyridine	311525000		11:05	-	200.00	n

Run #2 Filename 16DE045SP S: 2

I: 1

Acquired: 16-DEC-04 18:58:44

Processed: 16-DEC-04 20:22:18

Run: 16DE045SPIC Analyte: 1625

Cal: 16251216045SP

Comments:

Sample text: ST1216A :CS2 2350-68B

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	85649100		11:04	-	200.00	n
D8-1,4-Dioxane	256238000		5:07	0.60	1000.00	n
1,4-Dioxane	2296160		5:07	0.90	10.00	n
D5-123-TriChloroPropane	100553000		10:01	2.35	100.00	n
1,2,3-TriChloroPropane	4493240		10:04	0.45	10.00	n
1,2,3-TriChloroPropane	12621800		10:04	-	10.00	n
D6-NDMA	61392400		10:11	1.43	100.00	n
NDMA	8117350		10:10	1.32	10.00	n
2-Chloropyridine	267984000		11:04	-	200.00	n

Run #3 Filename 16DE045SP S: 3 I: 1
 Acquired: 16-DEC-04 19:19:02 Processed: 16-DEC-04 20:22:18
 Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
 Comments:

Sample text: ST1216B :CS3 2350-68C

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	74671200		11:04	-	200.00	n
D8-1,4-Dioxane	283007000		5:06	0.76	1000.00	n
1,4-Dioxane	13638000		5:06	0.96	50.00	n
D5-123-TriChloroPropane	85135300		10:00	2.28	100.00	n
1,2,3-TriChloroPropane	20011300		10:03	0.47	50.00	n
1,2,3-TriChloroPropane	61347200		10:03	-	50.00	n
D6-NDMA	51704300		10:11	1.38	100.00	n
NDMA	36015900		10:10	1.39	50.00	n
2-Chloropyridine	234512000		11:04	-	200.00	n

Run #4 Filename 16DE045SP S: 4 I: 1
 Acquired: 16-DEC-04 19:39:23 Processed: 16-DEC-04 20:22:19
 Run: 16DE045SPIC₇ Analyte: 1625 Cal: 16251216045SP
 Comments:
 Sample text: ST1216C :CS4 2350-68D

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	92313400		11:04	-	200.00	n
D8-1,4-Dioxane	363901000		5:06	0.79	1000.00	n
1,4-Dioxane	79125200		5:06	1.09	200.00	n
D5-123-TriChloroPropane	103880000		10:00	2.25	100.00	n
1,2,3-TriChloroPropane	107415000		10:03	0.52	200.00	n
1,2,3-TriChloroPropane	320743000		10:03	-	200.00	n
D6-NDMA	69959300		10:10	1.52	100.00	n
NDMA	201702000		10:10	1.44	200.00	n
2-Chloropyridine	299459000		11:04	-	200.00	n

Run #5 Filename 16DE045SP S: 5 I: 1
 Acquired: 16-DEC-04 19:59:44 Processed: 16-DEC-04 20:22:19
 Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
 Comments:

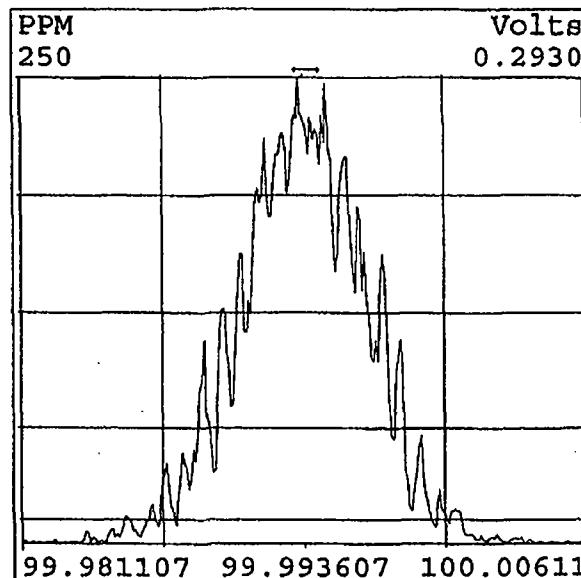
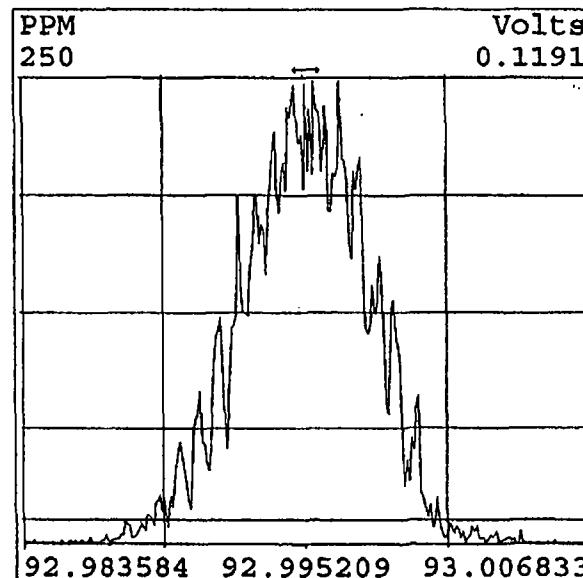
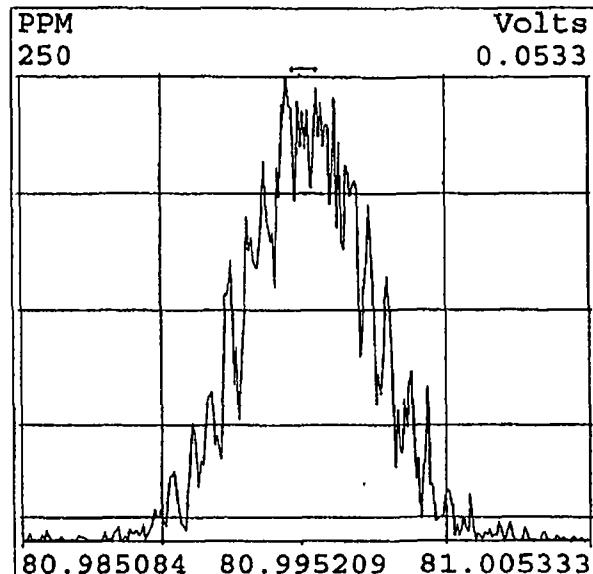
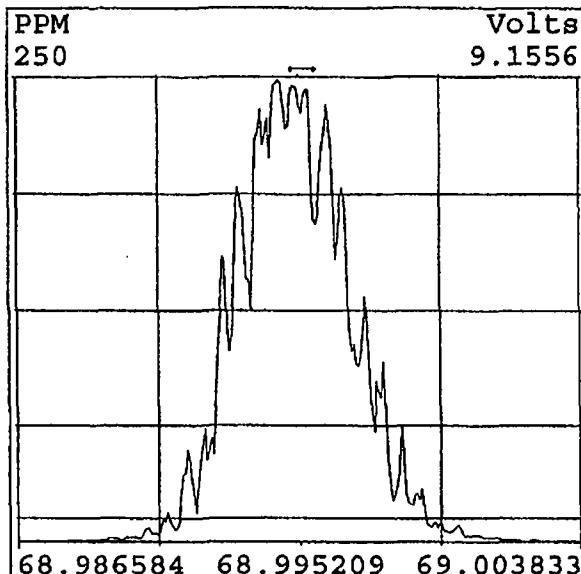
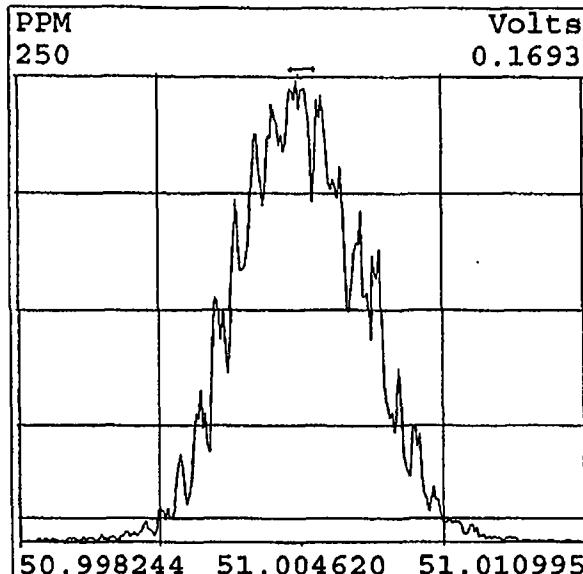
Sample text: ST1216D :CS5 2350-68E

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	141158000		11:03	-	200.00	n
D8-1,4-Dioxane	381356000		5:06	0.54	1000.00	n
1,4-Dioxane	476785000		5:06	1.25	1000.00	n
D5-123-TriChloroPropane	165660000		9:59	2.35	100.00	n
1,2,3-TriChloroPropane	846719000		10:03	0.51	1000.00	n
1,2,3-TriChloroPropane	2510210000		10:03	-	1000.00	n
D6-NDMA	110886000		10:10	1.57	100.00	n
NDMA	1576780000		10:10	1.42	1000.00	n
2-Chloropyridine	453774000		11:03	-	200.00	n

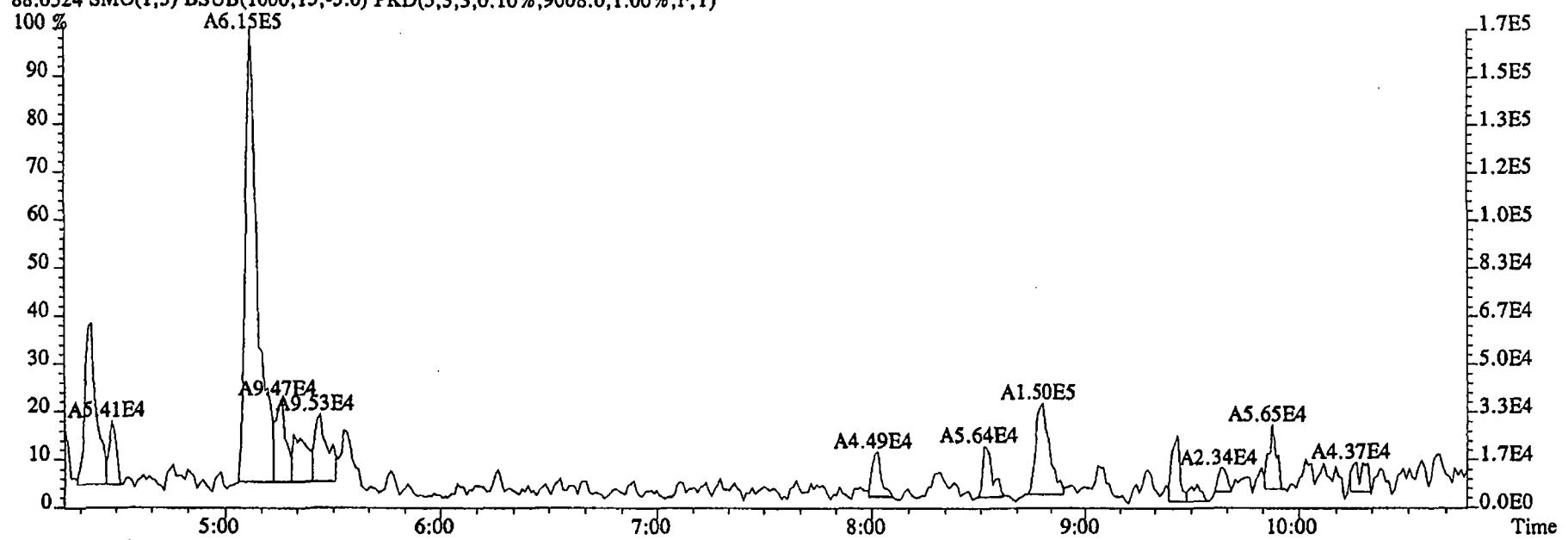
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16DE045SP	1	ST1216	CS1 2350-68A				1.000	
16DE045SP	2	ST1216A	CS2 2350-68B				1.000	
16DE045SP	3	ST1216B	CS3 2350-68C				1.000	
16DE045SP	4	ST1216C	CS4 2350-68D				1.000	
16DE045SP	5	ST1216D	CS5 2350-68E				1.000	
16DE045SP	6	SB1216	Solvent Blank DCM				1.000	
16DE045SP	7	ST1216E	CS3 2350-68C				1.000	
16DE045SP	8	SB1216A	Solvent Blank DCM				1.000	
16DE045SP	9	GX4KD-1-AA	G4L040149-2	500	1625/WATER	VS54	1.052	L
16DE045SP	10	GX4KE-1-AA	G4L020149-3	500	1625/WATER		0.977	L
16DE045SP	11	GX4KF-1-AA	G4L020149-4	500	1625/WATER		0.982	L
16DE045SP	12	GX4KG-1-AA	G4L020149-5	500	1625/WATER		1.006	L
16DE045SP	13	G0XDP-1-AA	G4L080479-MB	500	1625/WATER		1.000	L
16DE045SP	14	G0XDP-1-AC	G4L080479-LCS	500	1625/WATER		1.000	L
16DE045SP	15	G0K68-1-AC	G4L080479-1	500	1625/WATER		0.943	L
16DE045SP	16	G0K69-1-AC	G4L080479-2	500	1625/WATER		0.974	L
16DE045SP	17	G0K7A-1-AC	G4L080479-3	500	1625/WATER		0.968	L
16DE045SP	18	G0K7D-1-AC	G4L080479-4	500	1625/WATER		0.928	L
16DE045SP	19	G0K7E-1-AC	G4L080479-5	500	1625/WATER		0.928	L
16DE045SP	20	G0K7F-1-AC	G4L080479-6	500	1625/WATER		0.936	L
16DE045SP	21	G0HM6-1-AE	E4L080175-4	500	1625/WATER		0.965	L
16DE045SP	22	G0HM7-1-AE	E4L080175-5	500	1625/WATER		0.995	L
16DE045SP	23	G0PC2-1-AC	G4L090480-1	500	1625/WATER		0.966	L
16DE045SP	24	G0PC4-1-AC	G4L090480-2	500	1625/WATER		0.986	L
16DE045SP	25	G0PC5-1-AC	G4L090480-3	500	1625/WATER		0.961	L
16DE045SP	26	G0MLW-1-AA	G4L090264-1	500	1625/WATER		0.966	L
16DE045SP	27	G0PDJ-1-AA	G4L090484-1	500	1625/WATER		0.962	L
16DE045SP	28	SB1216B	Solvent Blank DCM				1.000	
16DE045SP	29	ST1216F	CS3 2350-68C				1.000	
16DE045SP	30	SB1216C	Solvent Blank DCM				1.000	
16DE045SP	31	G05QJ-1-AAB	E4L090217-1MB	500	1625/WATER	VS55	1.000	L
16DE045SP	32	G05QJ-1-ACC	E4L090217-1LCS	500	1625/WATER		1.000	L
16DE045SP	33	G05QJ-1-ADL	E4L090217-1DCS	500	1625/WATER		1.000	L
16DE045SP	34	G0L86-1-AA	E4L090217-1	500	1625/WATER		0.979	L
16DE045SP	35	G0L9A-1-AA	E4L090217-2	500	1625/WATER		0.980	L
16DE045SP	36	G0L9J-1-AE	E4L090217-4	500	1625/WATER		0.974	L
16DE045SP	37	G0L93-1-AE	E4L090217-5	500	1625/WATER		0.972	L
16DE045SP	38	G0L95-1-AE	E4L090217-6	500	1625/WATER		0.984	L
16DE045SP	39	G0L99-1-AE	E4L090217-8	500	1625/WATER		0.987	L
16DE045SP	40	GOMAA-1-AE	E4L090217-9	500	1625/WATER		0.973	L
16DE045SP	41	GOMAF-1-AE	E4L090217-10	500	1625/WATER		0.988	L
16DE045SP	42	G0XAD-1-AC	G4L130173-26	500	1625/WATER		0.988	L
16DE045SP	43	G0XAG-1-AC	G4L130173-27	500	1625/WATER		0.987	L
16DE045SP	44	G0R1N-1-AC	G4L100385-1	500	1625/WATER		0.947	L
16DE045SP	45	G0R1W-1-AC	G4L100385-2	500	1625/WATER		0.990	L
16DE045SP	46	G0R10-1-AC	G4L100385-3	500	1625/WATER		0.986	L
16DE045SP	47	G0R12-1-AC	G4L100385-4	500	1625/WATER		0.953	L
16DE045SP	48	G0R14-1-AA	G4L100385-5	500	1625/WATER		0.972	L
16DE045SP	49	SB1216D	Solvent Blank DCM				1.000	
16DE045SP	50	SB1216E	Solvent Blank DCM				1.000	
16DE045SP	51	ST1216G	CS3 2350-68C				1.000	
16DE045SP	52	SB1216F	Solvent Blank DCM				1.000	
16DE045SP	53	G04X9-1-AAB	G4L130173-1MB	500	1625/SOLID	VS55	10.000	g

16DE045SP	54	G04X9-1-ACC	G4L130173-1LCS	500	1625/SOLID	10.000 g
16DE045SP	55	G0W7T-1-AC	G4L130173-1	500	1625/SOLID	10.000 g
16DE045SP	56	G0W7X-1-AC	G4L130173-2	500	1625/SOLID	10.000 g
16DE045SP	57	G0W70-1-AC	G4L130173-3	500	1625/SOLID	10.000 g
16DE045SP	58	G0W74-1-AC	G4L130173-4	500	1625/SOLID	10.000 g
16DE045SP	59	G0W77-1-AC	G4L130173-5	500	1625/SOLID	10.000 g
16DE045SP	60	G0W77-1-AFS	G4L130173-5MS	500	1625/SOLID	10.000 g
16DE045SP	61	G0W77-1-AGD	G4L130173-5SD	500	1625/SOLID	10.000 g
16DE045SP	62	G0W79-1-AD	G4L130173-6	500	1625/SOLID	10.000 g
16DE045SP	63	G0W8D-1-AD	G4L130173-7	500	1625/SOLID	10.000 g
16DE045SP	64	G0W8F-1-AD	G4L130173-8	500	1625/SOLID	10.000 g
16DE045SP	65	G0W8J-1-AD	G4L130173-9	500	1625/SOLID	10.000 g
16DE045SP	66	G0W8K-1-AD	G4L130173-10	500	1625/SOLID	10.000 g
16DE045SP	67	G0W8N-1-AD	G4L130173-11	500	1625/SOLID	10.000 g
16DE045SP	68	G0W8R-1-AD	G4L130173-12	500	1625/SOLID	10.000 g
16DE045SP	69	G0W8W-1-AD	G4L130173-13	500	1625/SOLID	10.000 g
16DE045SP	70	G0W82-1-AD	G4L130173-14	500	1625/SOLID	10.000 g
16DE045SP	71	G0W84-1-AD	G4L130173-15	500	1625/SOLID	10.000 g
16DE045SP	72		G4L130173-16	500	1625/SOLID	10.000 g
16DE045SP	73	G0W9D-1-AD	G4L130173-17	500	1625/SOLID	10.000 g
16DE045SP	74	G0W9G-1-AD	G4L130173-18	500	1625/SOLID	10.000 g
16DE045SP	75	G0W9H-1-AD	G4L130173-19	500	1625/SOLID	10.000 g
16DE045SP	76	G0407-1-ACC	G4L130173-20LCS	500	1625/SOLID	10.000 g
16DE045SP	77	G0407-1-AAB	G4L130173-20MB	500	1625/SOLID	10.000 g
16DE045SP	78	G0W9N-1-AD	G4L130173-20	500	1625/SOLID	10.000 g
16DE045SP	79	G0W9N-1-AJS	G4L130173-20MS	500	1625/SOLID	10.000 g
16DE045SP	80	G0W9N-1-AKD	G4L130173-20SD	500	1625/SOLID	10.000 g
16DE045SP	81	G0W9Q-1-AD	G4L130173-21	500	1625/SOLID	10.000 g
16DE045SP	82	G0W9W-1-AD	G4L130173-22	500	1625/SOLID	10.000 g
16DE045SP	83	G0W93-1-AD	G4L130173-23	500	1625/SOLID	10.000 g
16DE045SP	84	G0W95-1-AD	G4L130173-24	500	1625/SOLID	10.000 g
16DE045SP	85	G0W98-1-CD	G4L130173-25	500	1625/SOLID	10.000 g
16DE045SP	86	SB1216G	Solvent Blank DCM			1.000
16DE045SP	87	SB1216H	Solvent Blank DCM			1.000
16DE045SP	88	ST1216H	CS3 2350-68C			1.000
16DE045SP	89					1.000
16DE045SP	90					1.000
16DE045SP	91					1.000
16DE045SP	92		AM 12-16-04			1.000

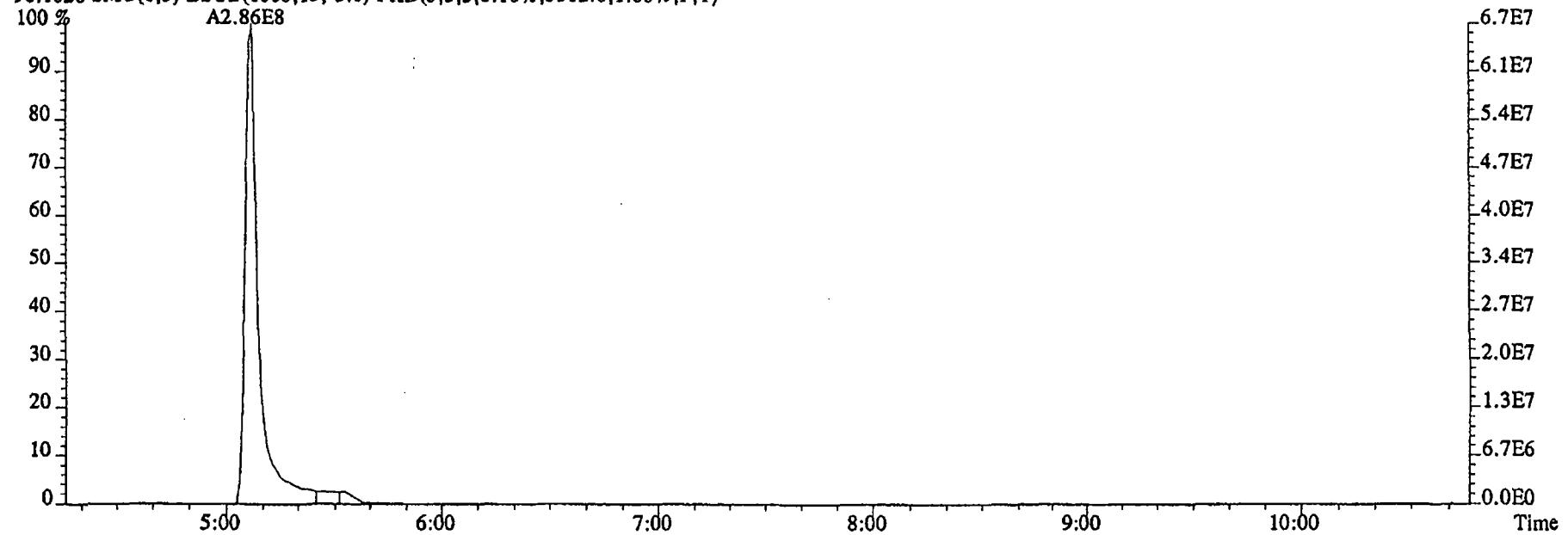
Peak Locate Examination:16-DEC-2004:18:36 File:16DE045SP
Experiment:NDMAVOA Function:1 Reference:PFK



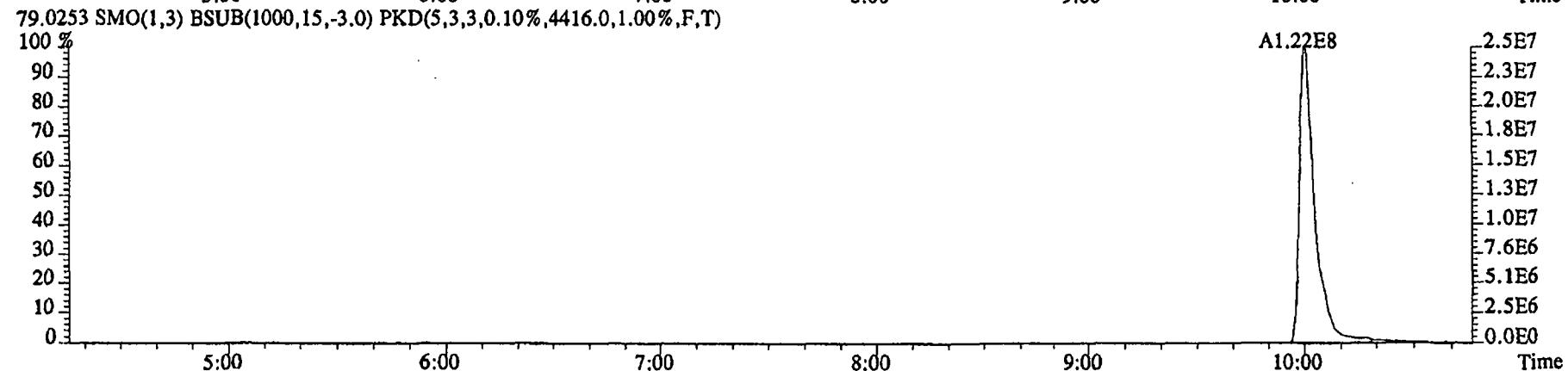
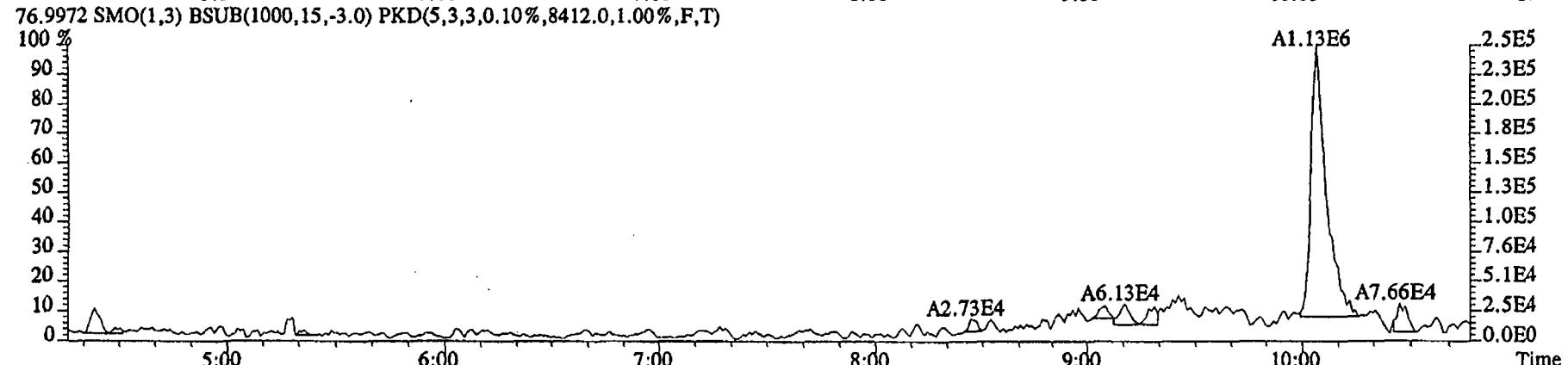
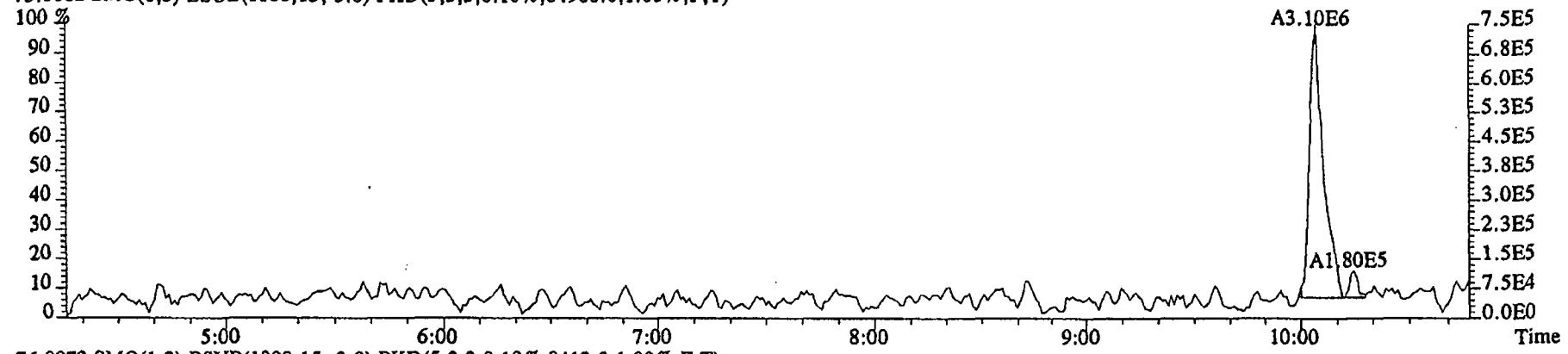
File:16DE045SP #1-481 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
 88.0524 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9008.0,1.00%,F,T)



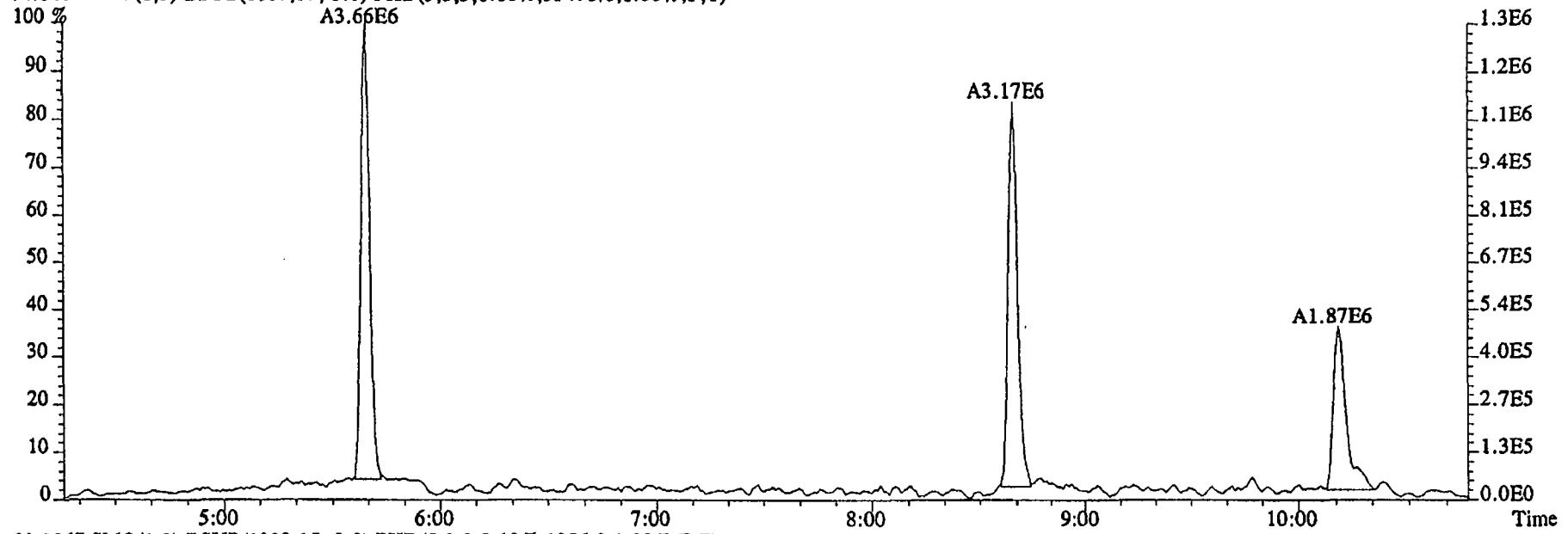
96.1026 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5312.0,1.00%,F,T)



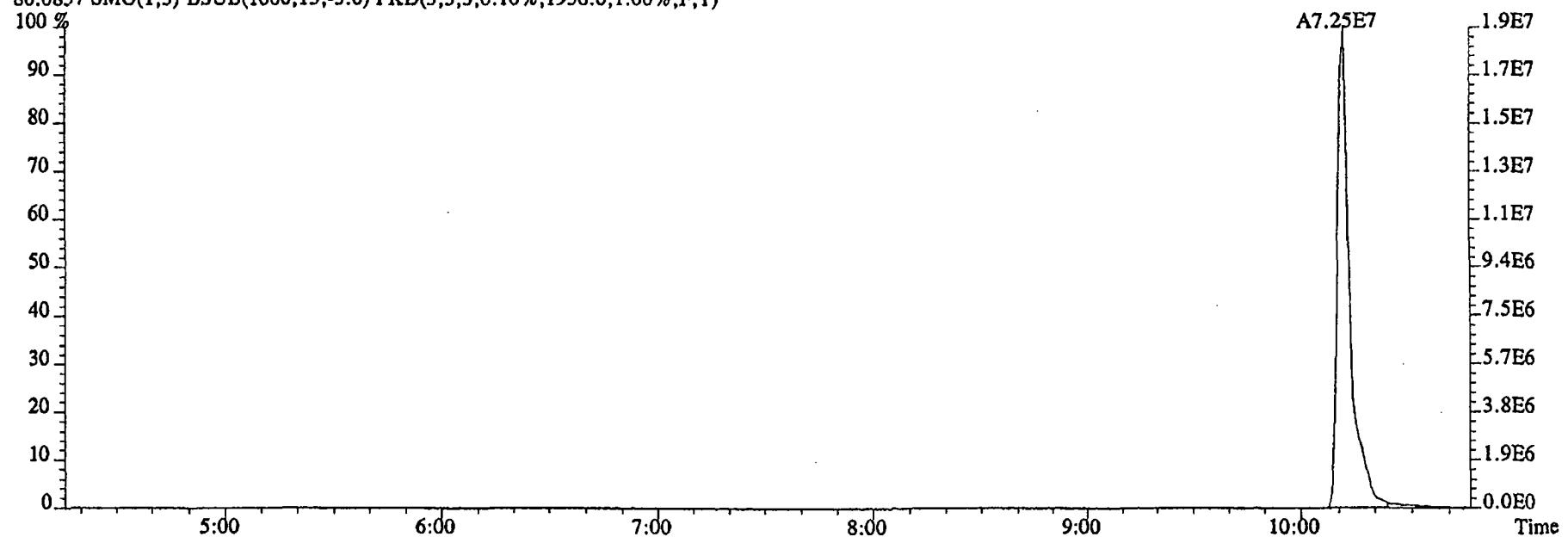
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 Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
 75.0002 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64900.0,1.00%,F,T)



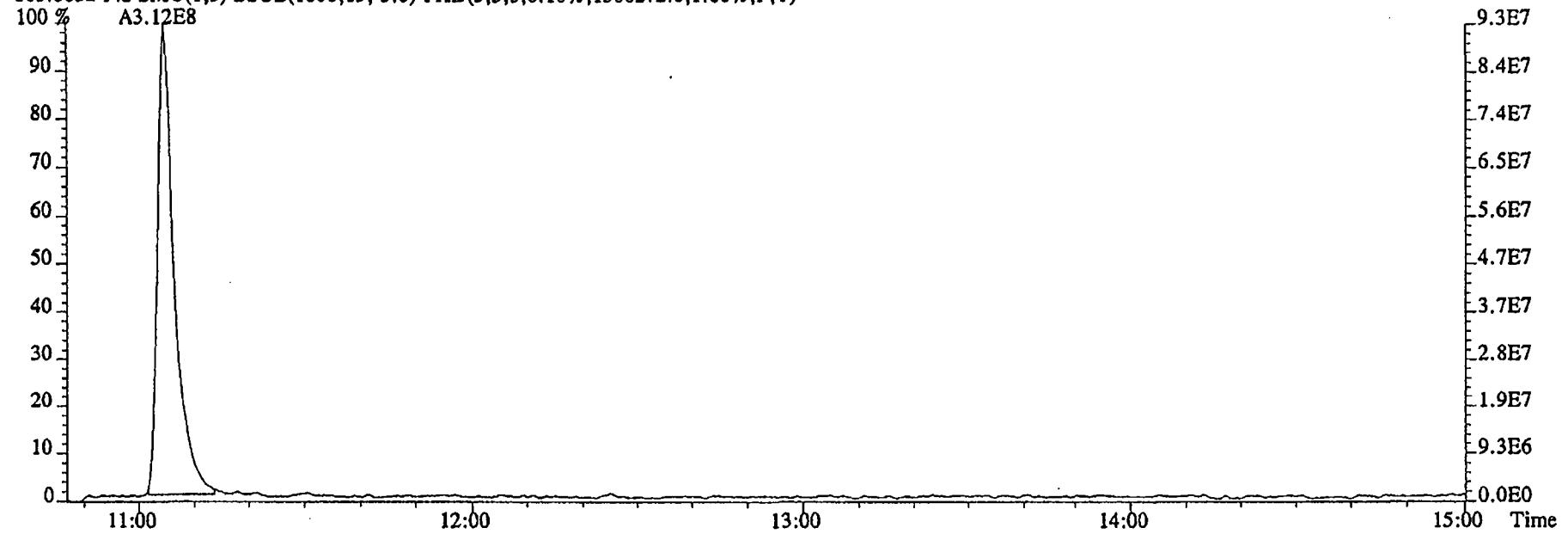
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Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35476.0,1.00%,F,T)



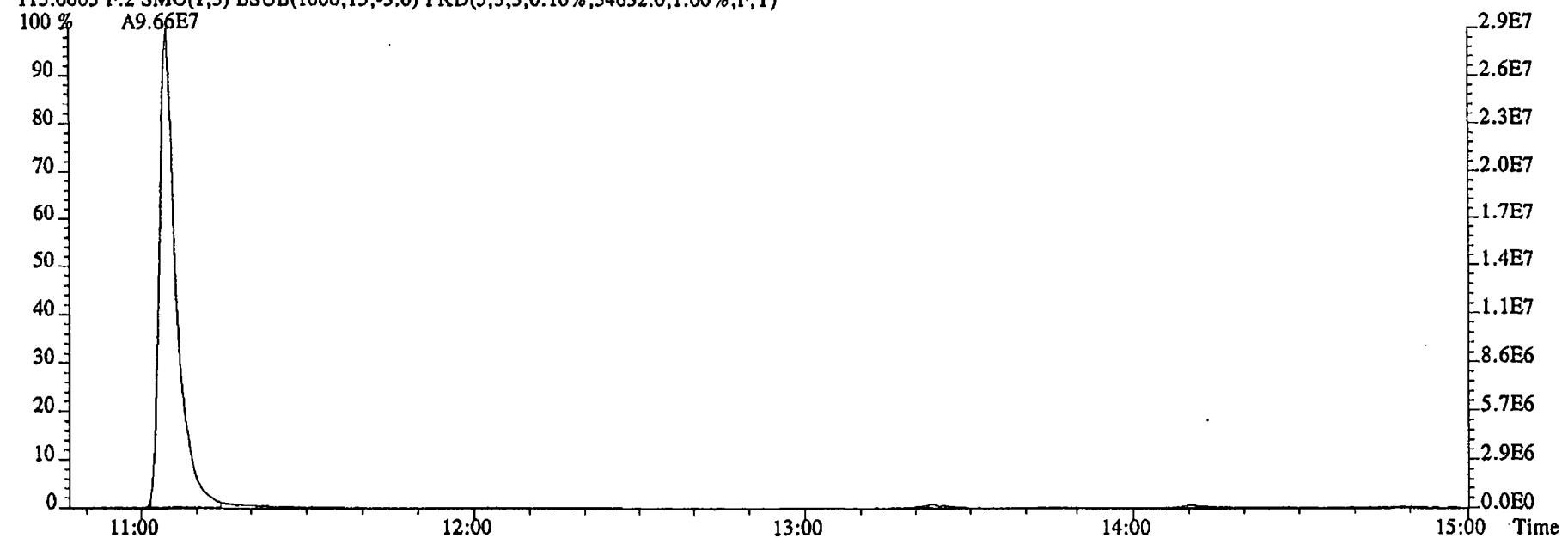
80.0857 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956.0,1.00%,F,T)



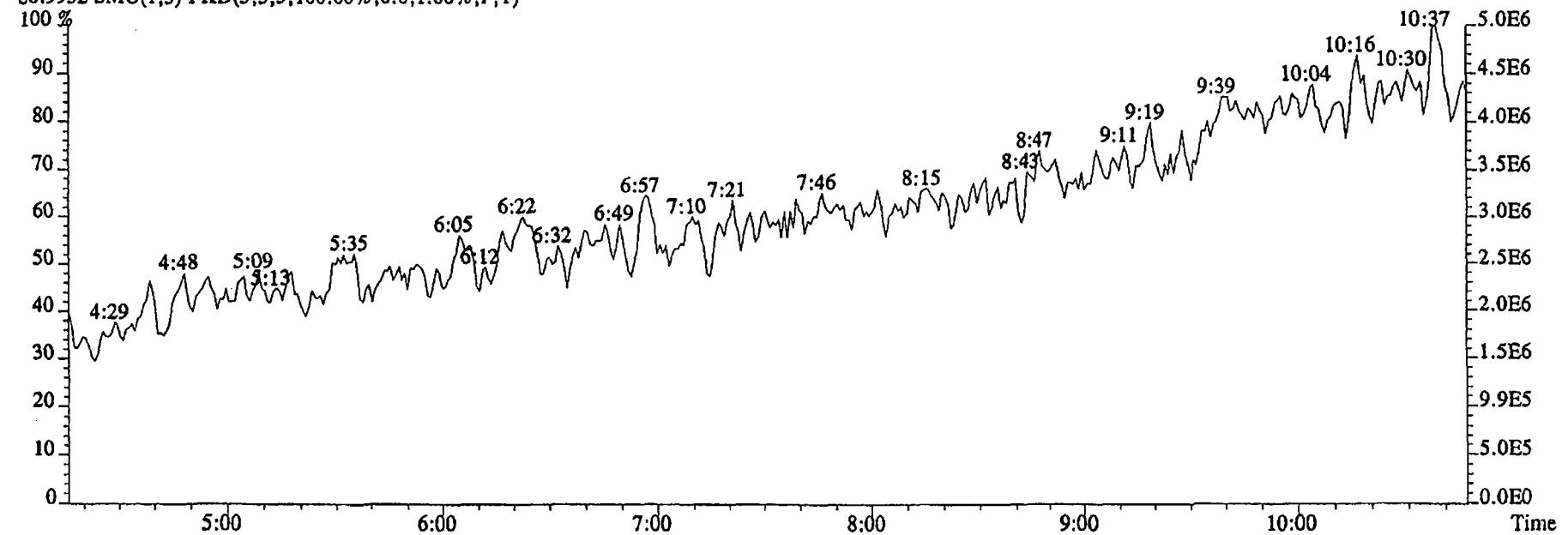
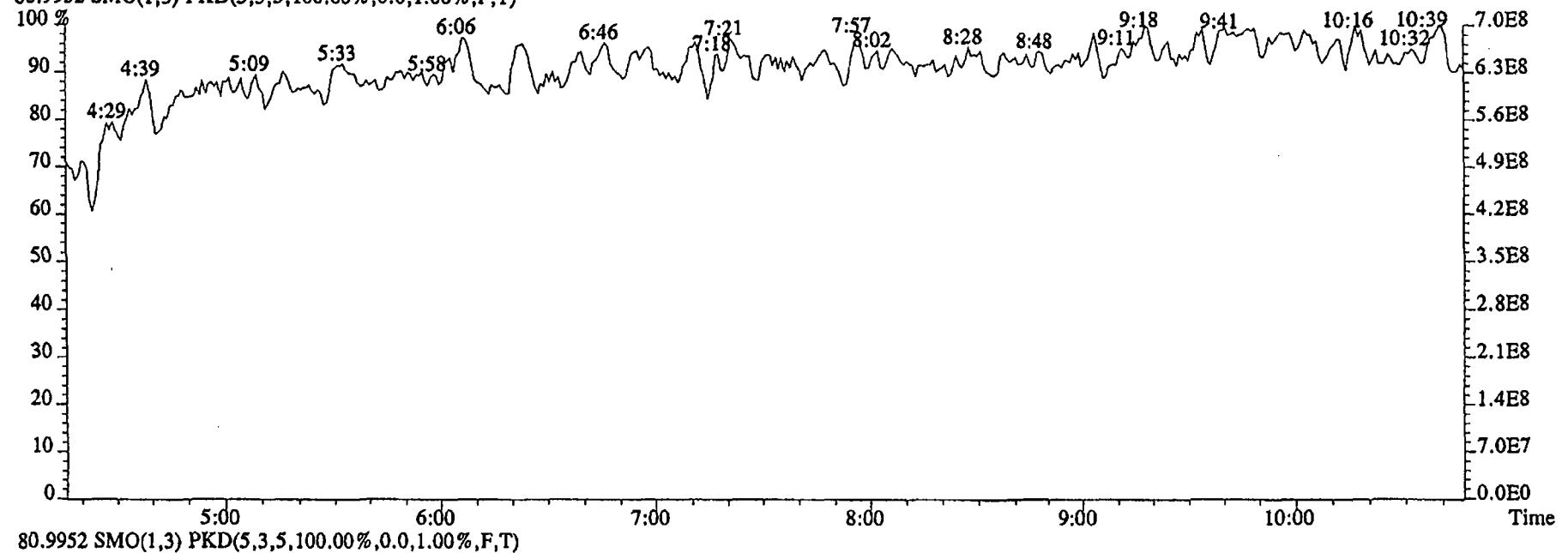
File:16DE045SP #1-590 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
113.0032 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308272.0,1.00%,F,T)



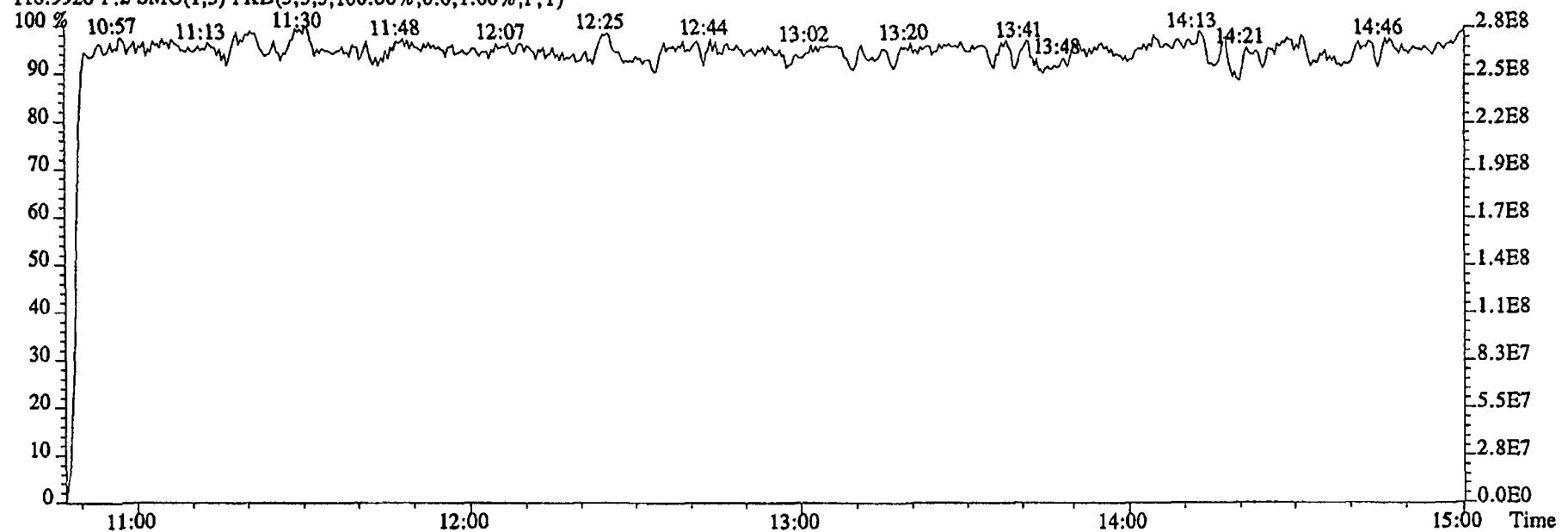
115.0003 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34632.0,1.00%,F,T)



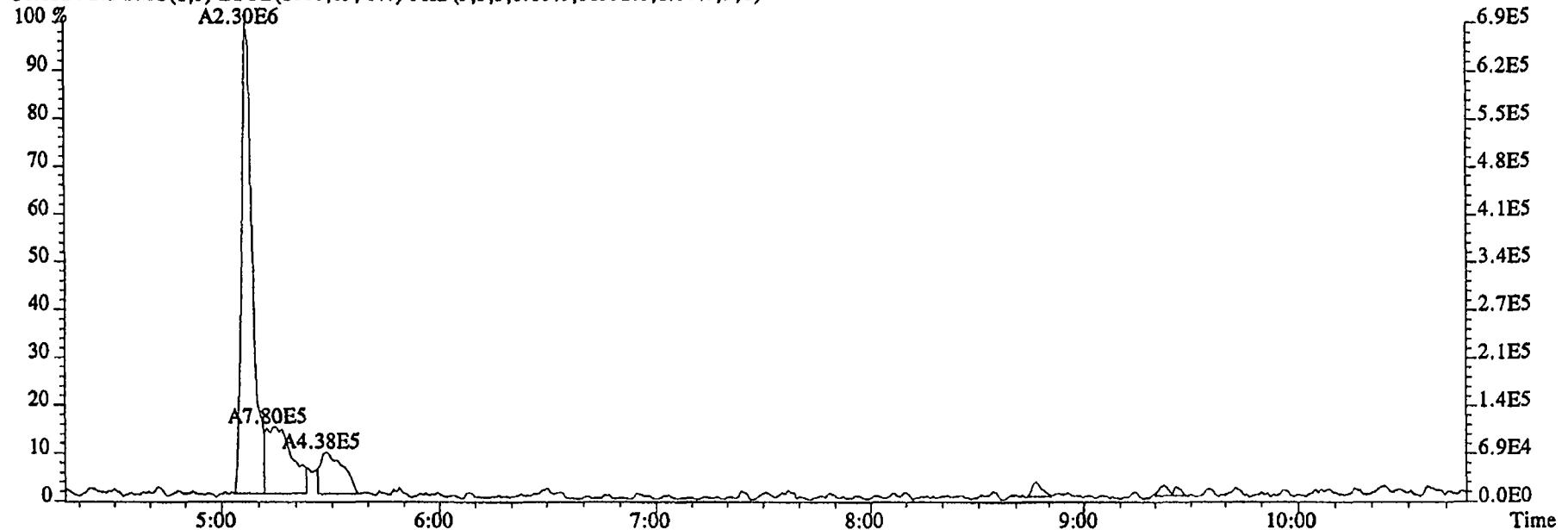
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 Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
 68.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



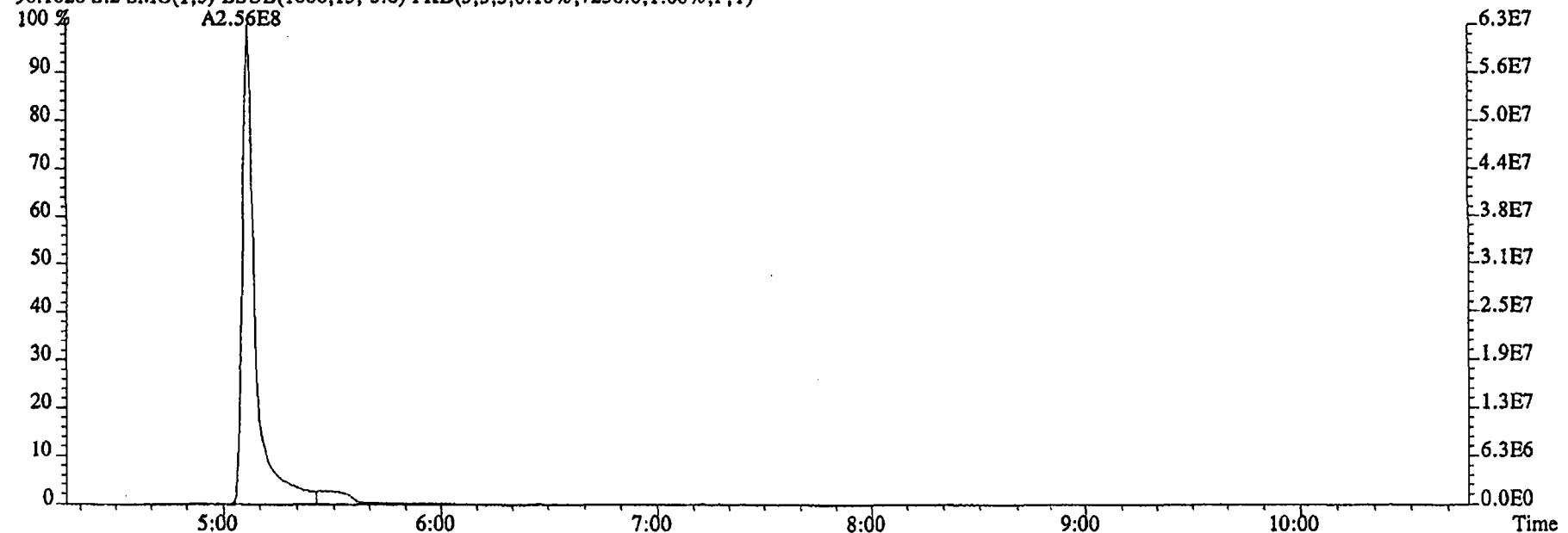
File:16DE045SP #1-590 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
118.9920 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



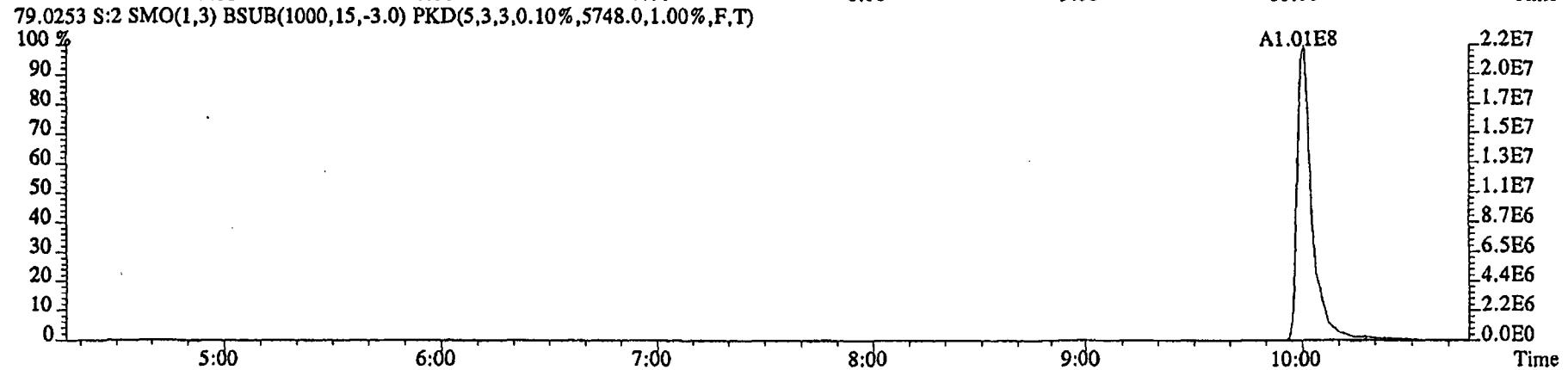
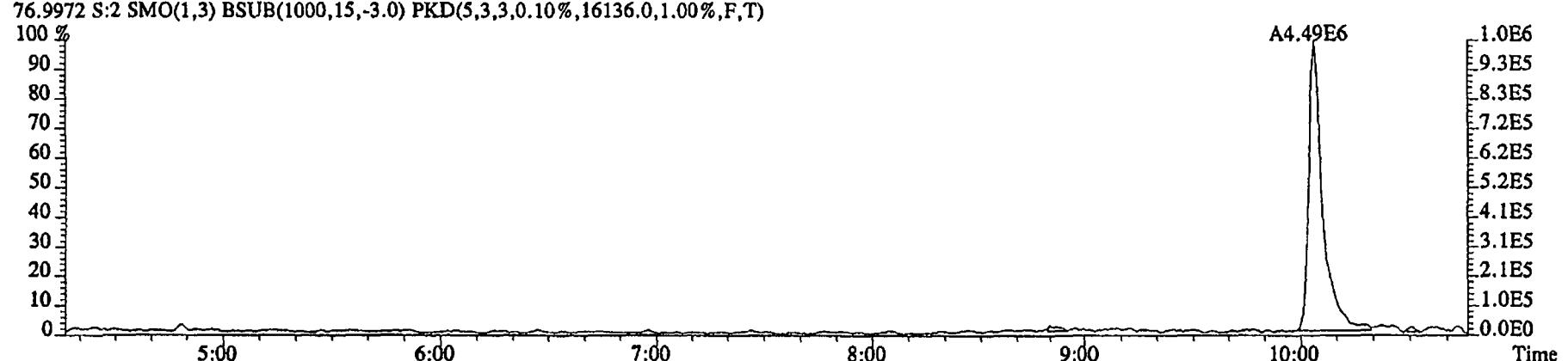
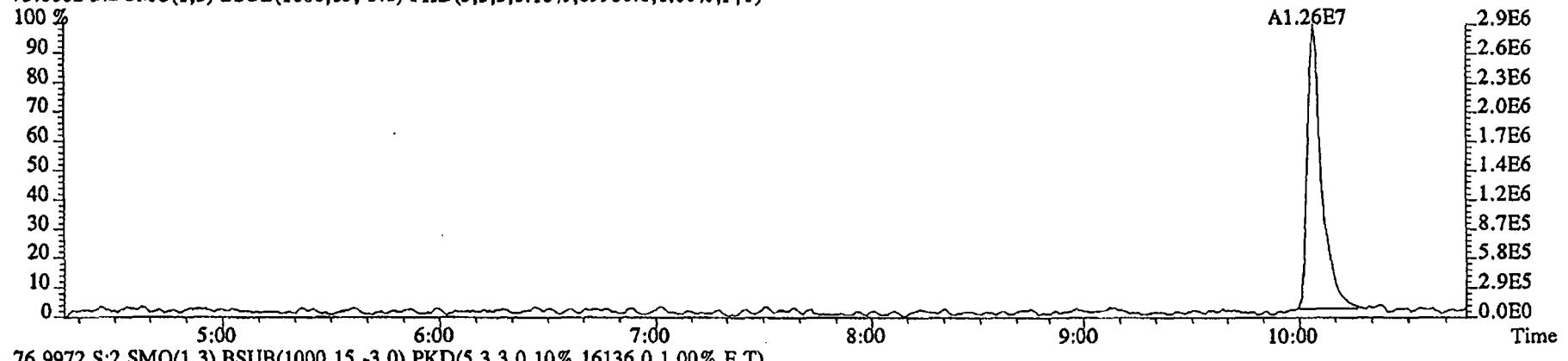
File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11332.0,1.00%,F,T)



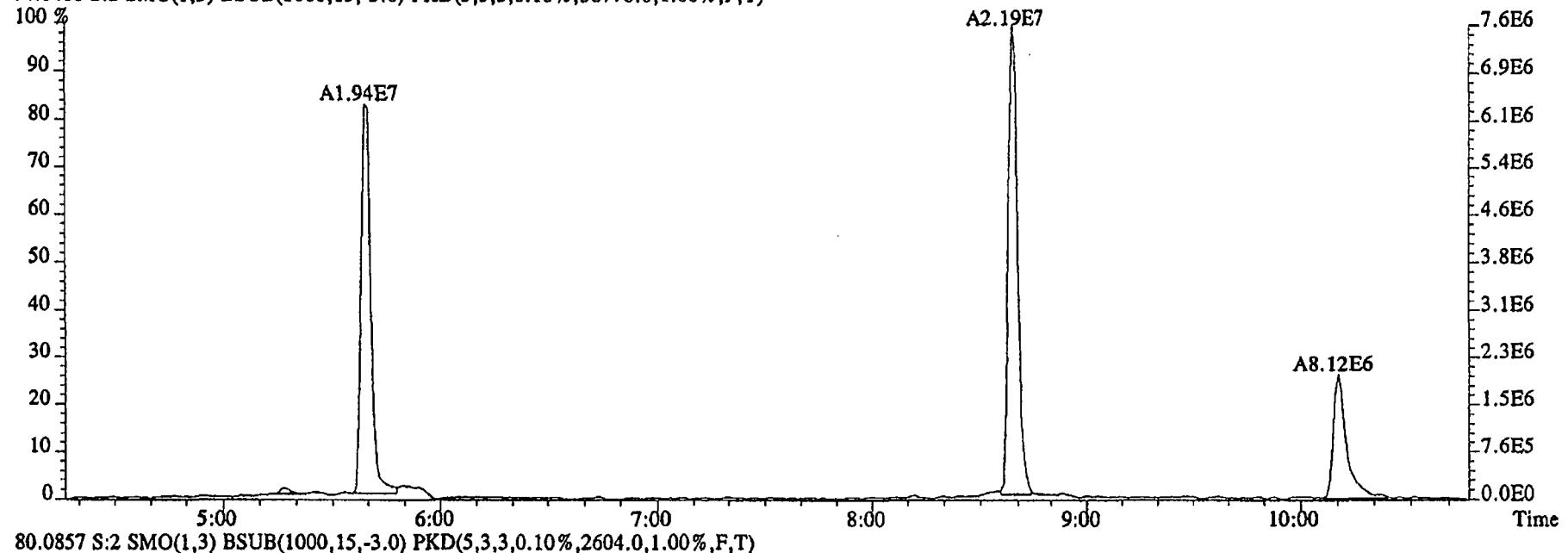
96.1026 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7236.0,1.00%,F,T)



File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
75.0002 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,69900.0,1.00%,F,T)

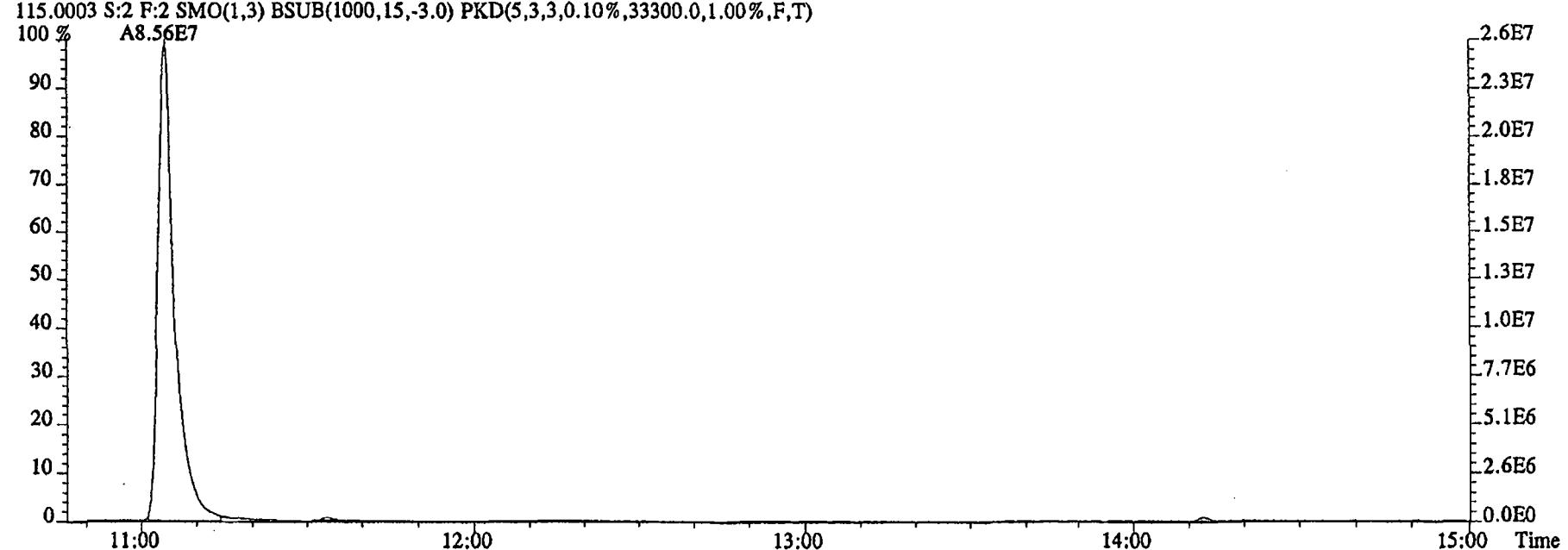
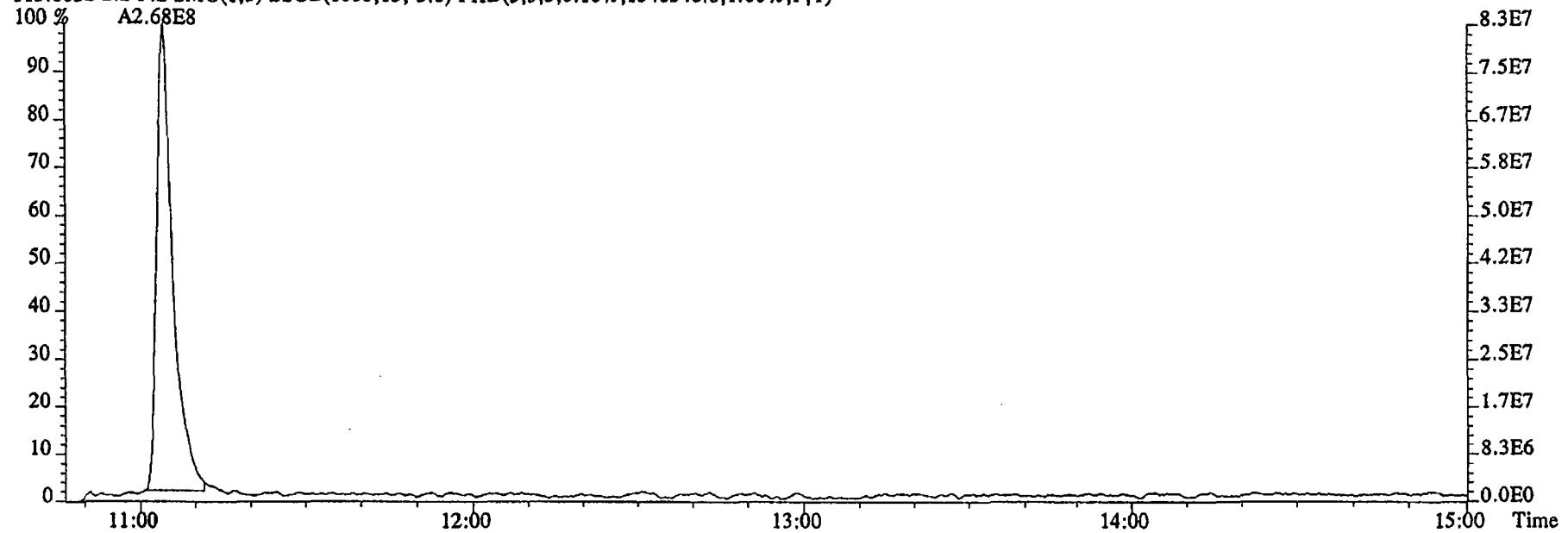


File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
74.0480 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38776.0,1.00%,F,T)

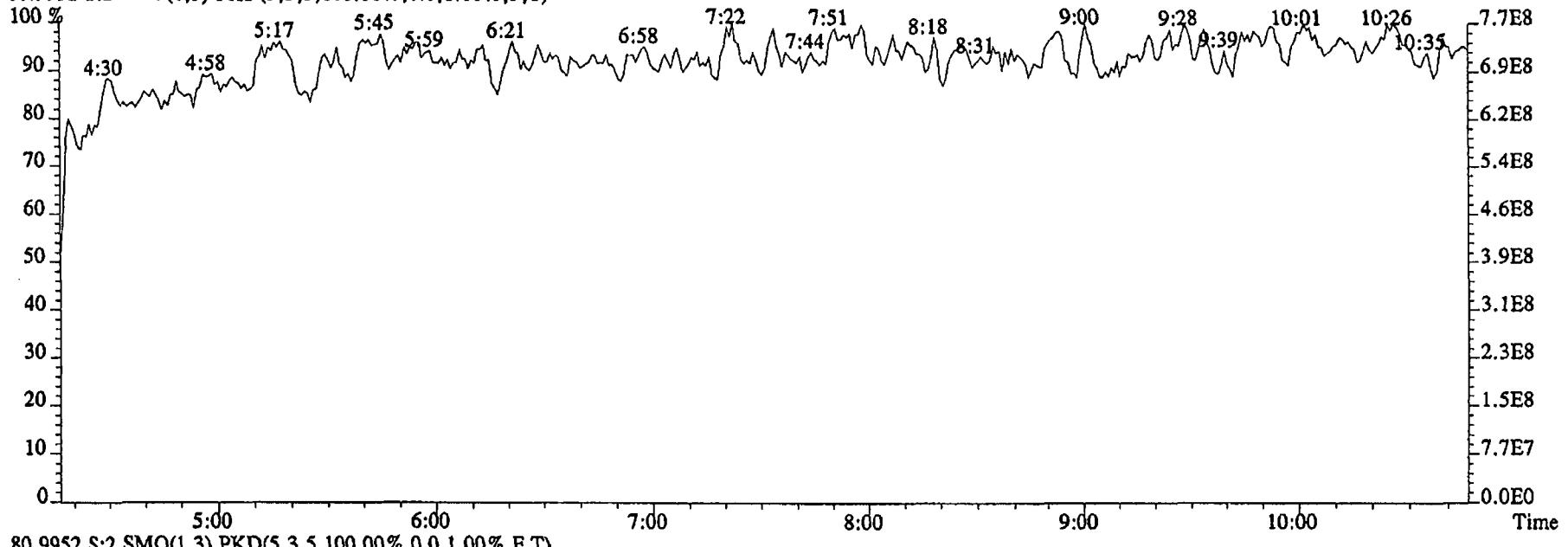


80.0857 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2604.0,1.00%,F,T)

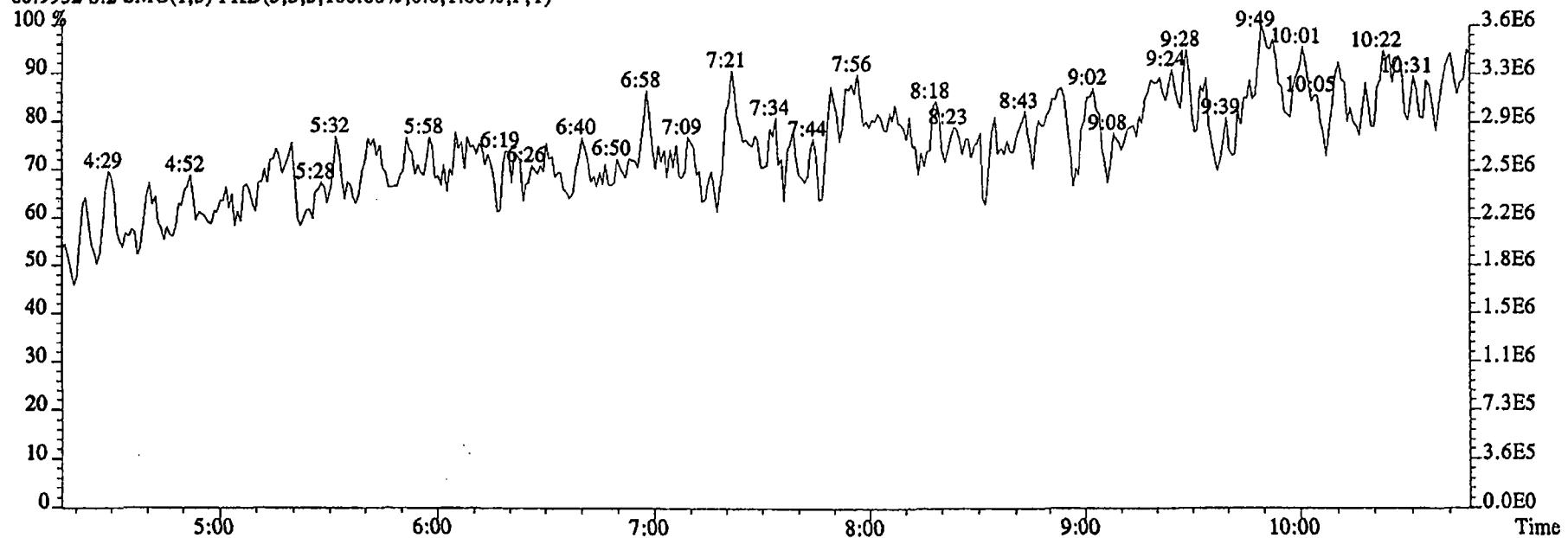
File:16DE045SP #1-591 Acq:16-DEC-2004 18:58:44 GC El+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
113.0032 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540548.0,1.00%,F,T)



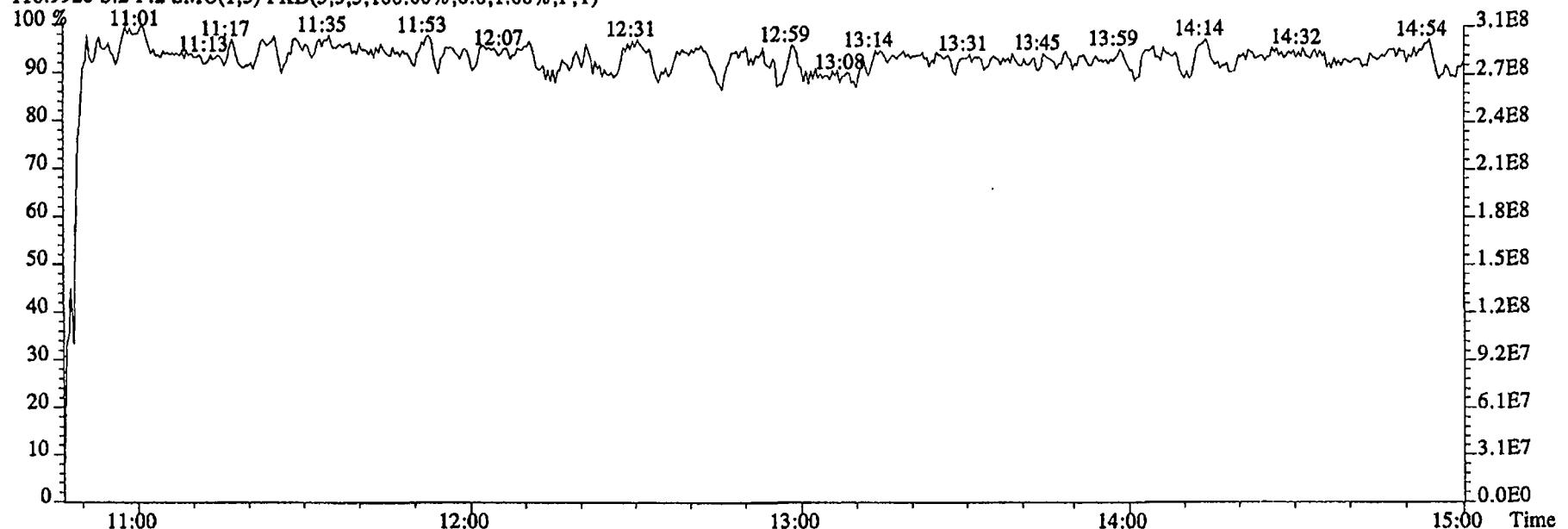
File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
 68.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



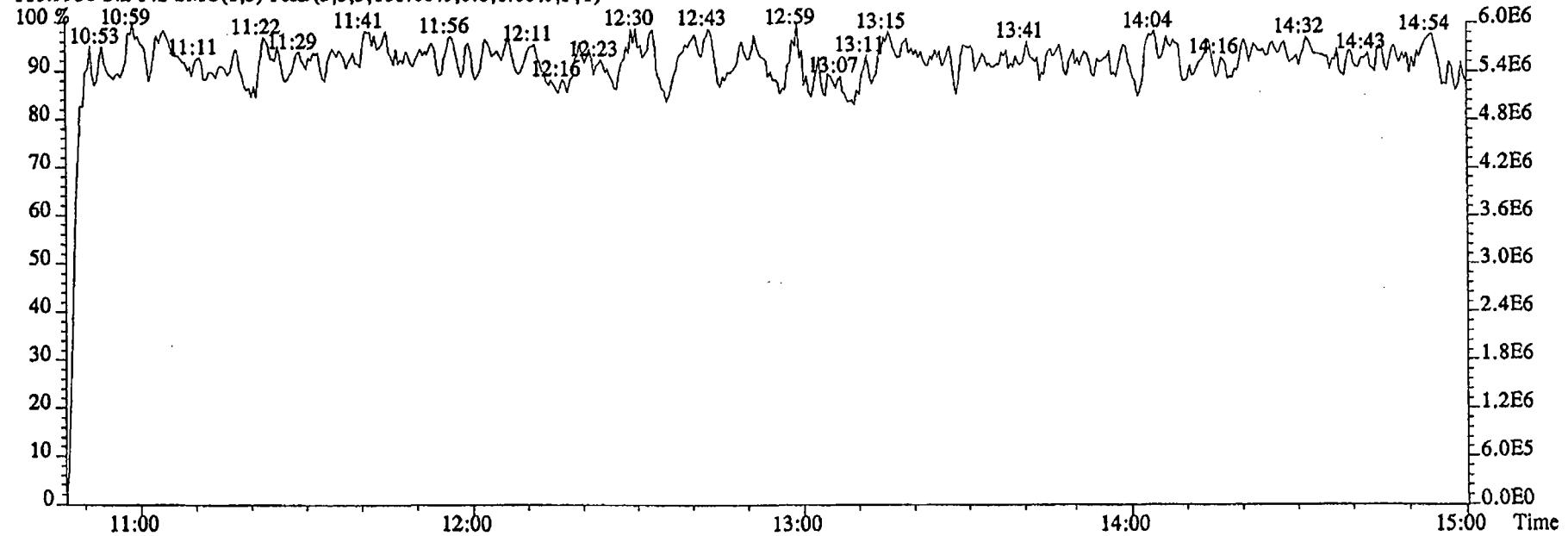
80.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



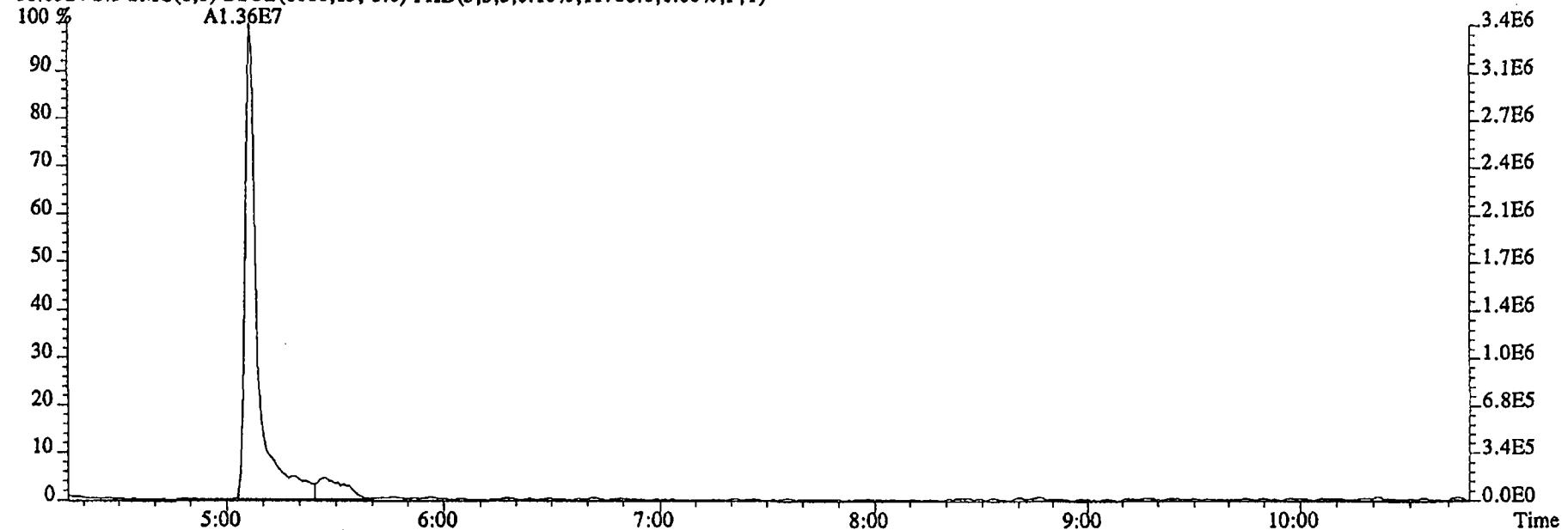
File:16DE045SP #1-591 Acq:16-DEC-2004 18:58:44 GC El+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
118.9920 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



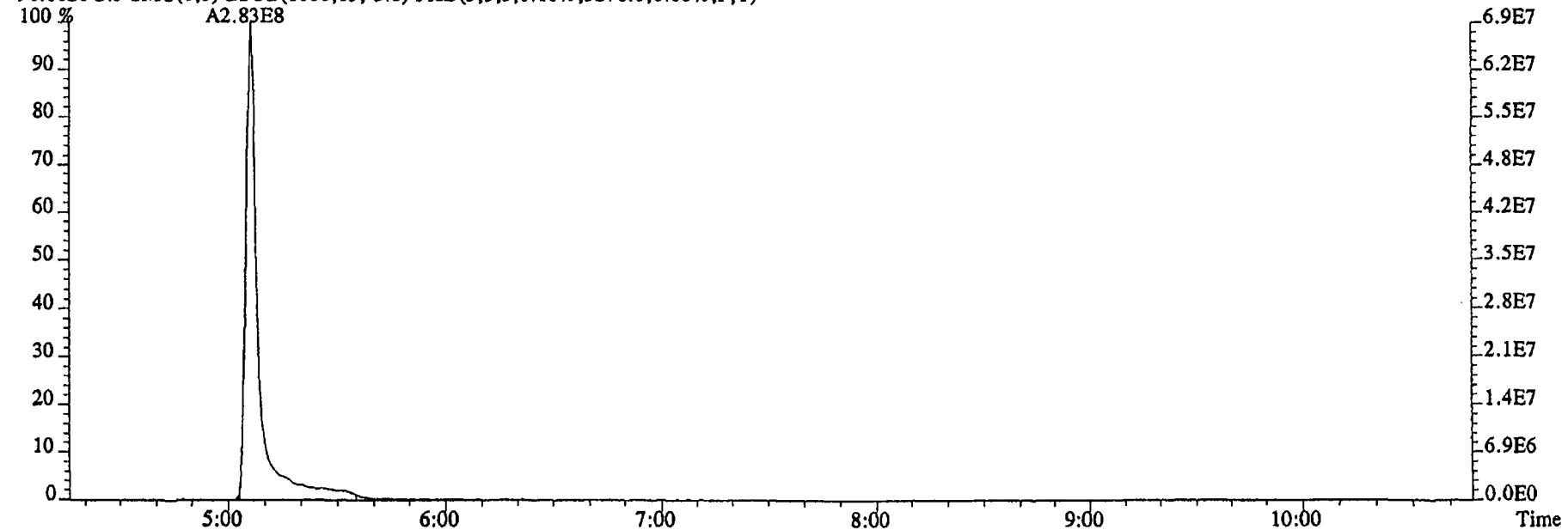
111.9936 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



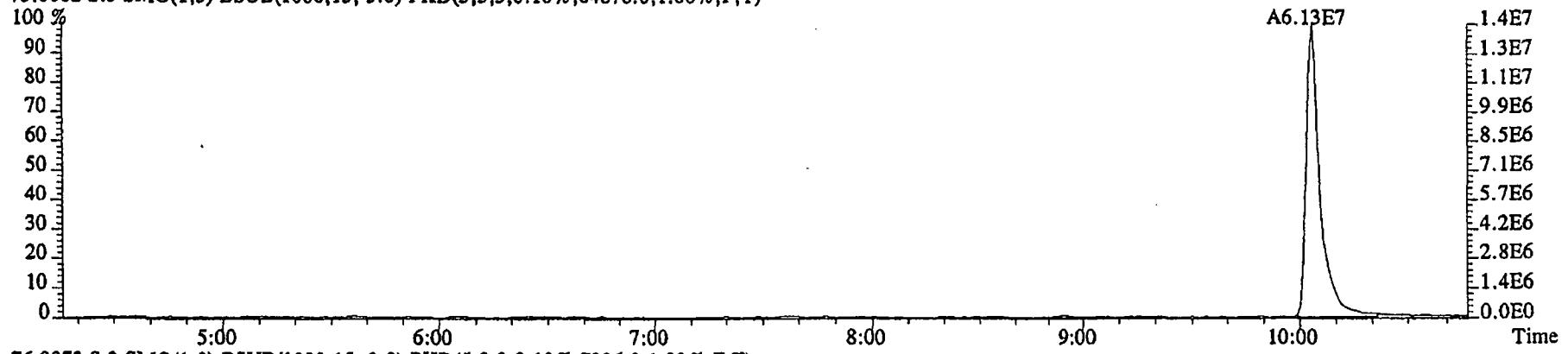
File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11708.0,1.00%,F,T)



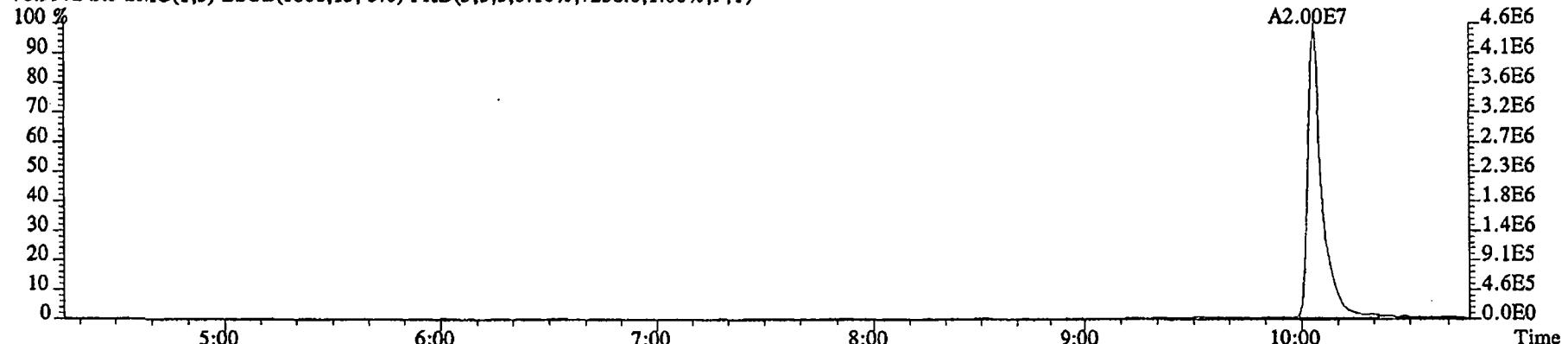
96.1026 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5276.0,1.00%,F,T)



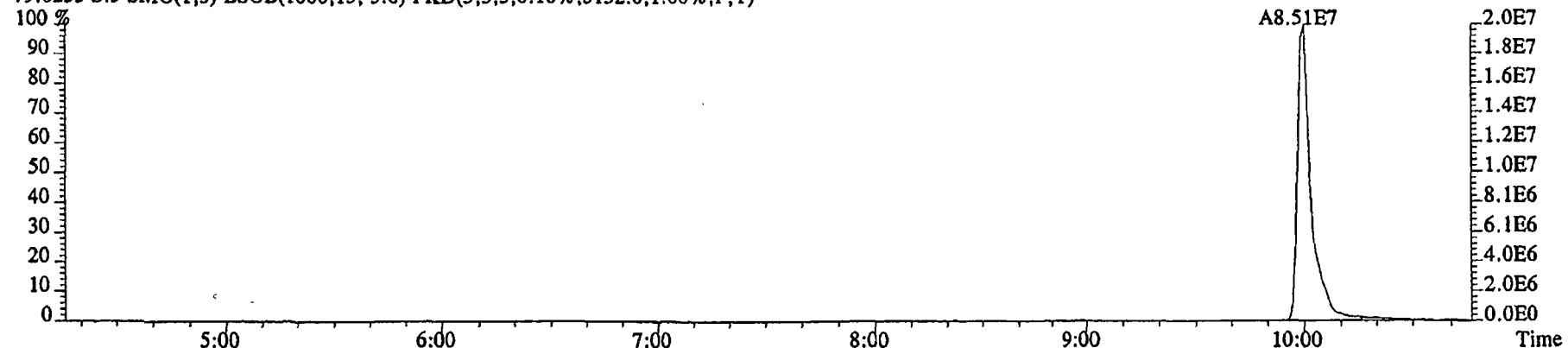
File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC El+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
75.0002 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64876.0,1.00%,F,T)



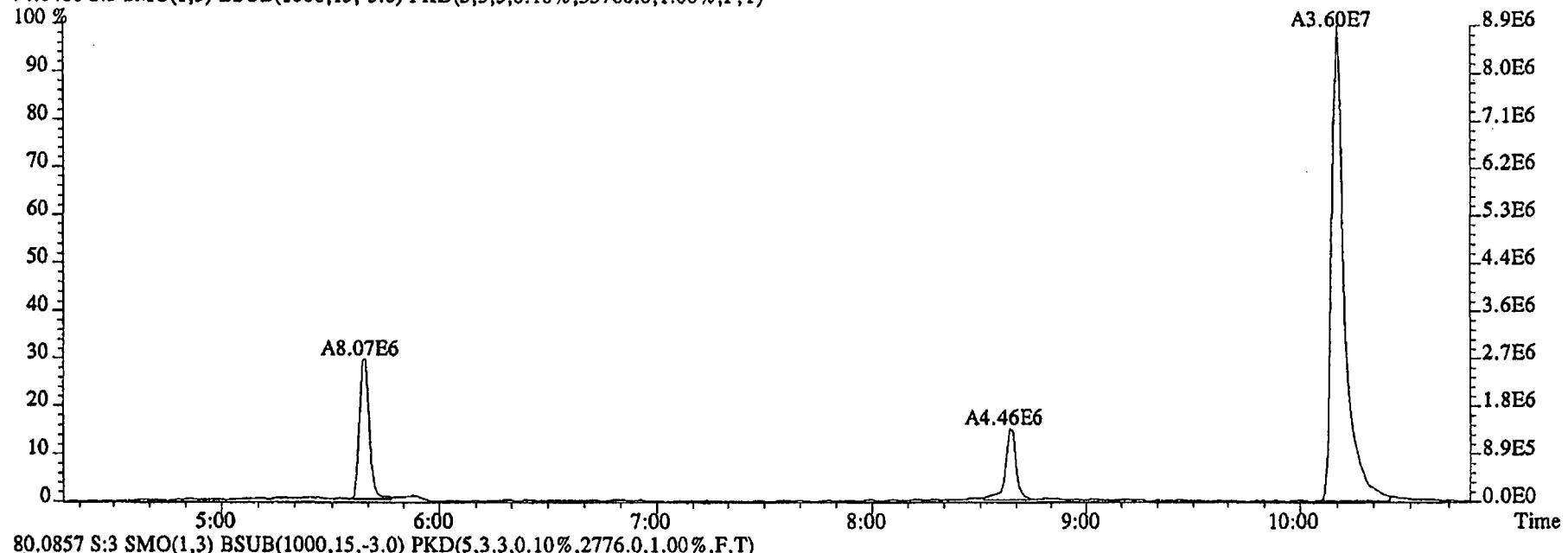
76.9972 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7236.0,1.00%,F,T)



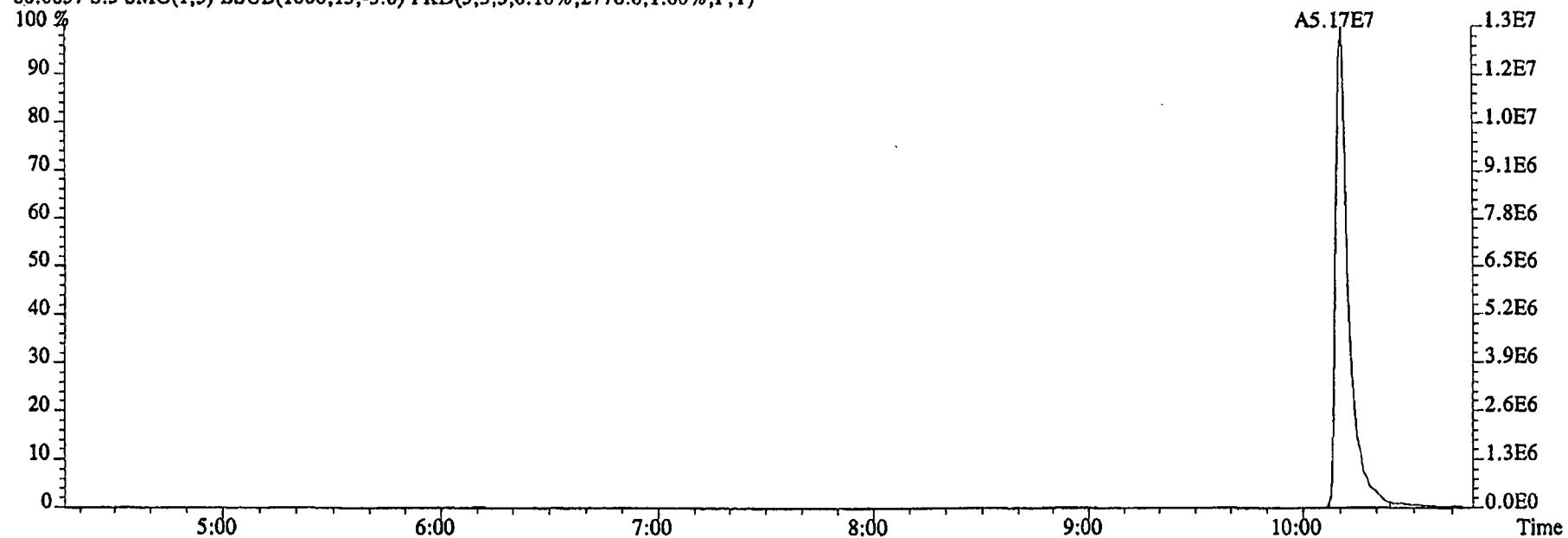
79.0253 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



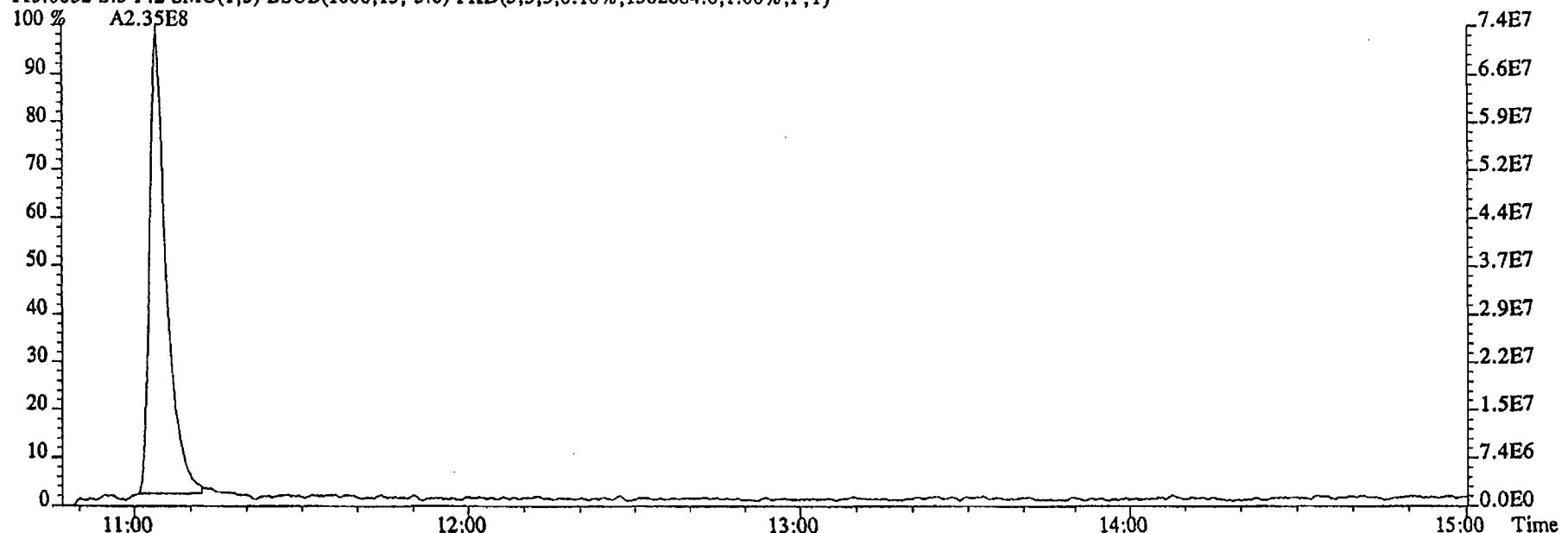
File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
74.0480 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35760.0,1.00%,F,T)



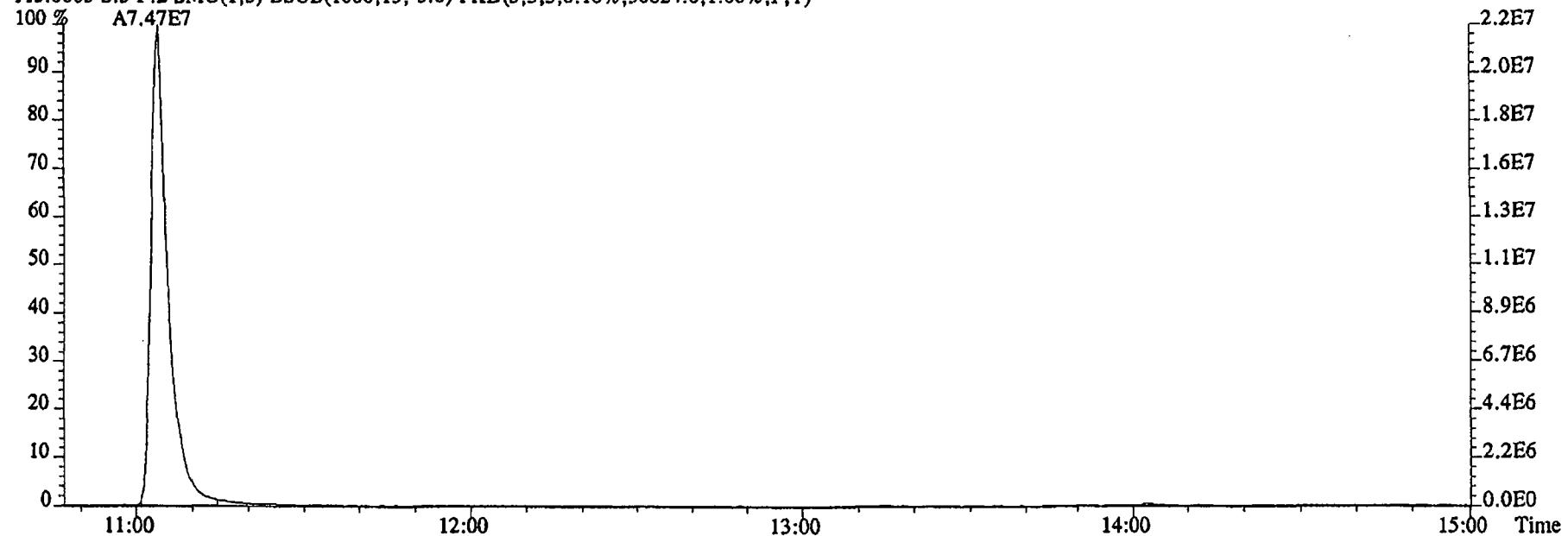
80.0857 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2776.0,1.00%,F,T)



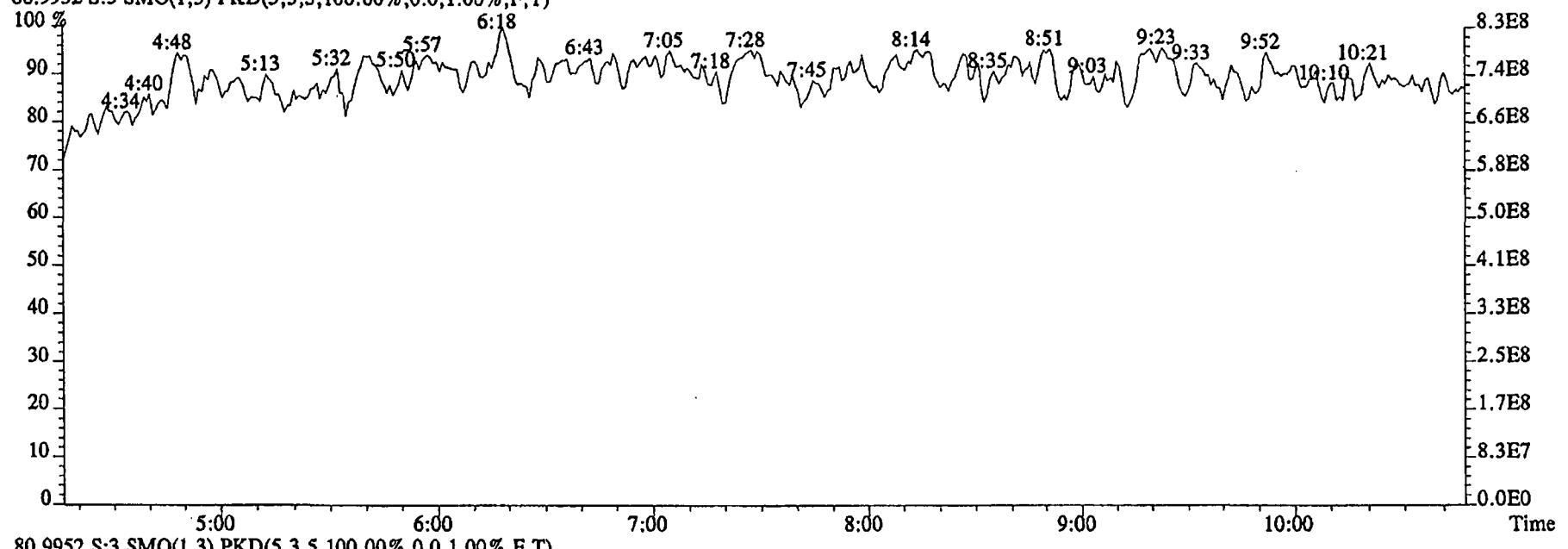
File:16DE045SP #1-590 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
113.0032 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1502684.0,1.00%,F,T)



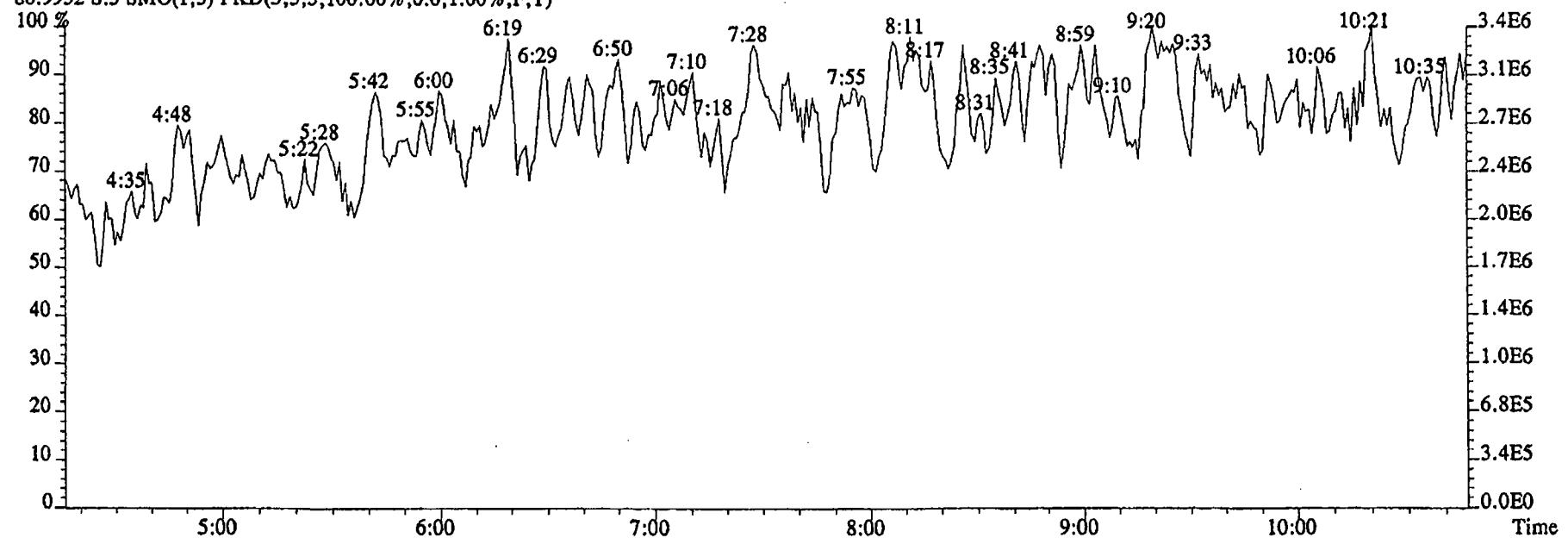
115.0003 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30824.0,1.00%,F,T)



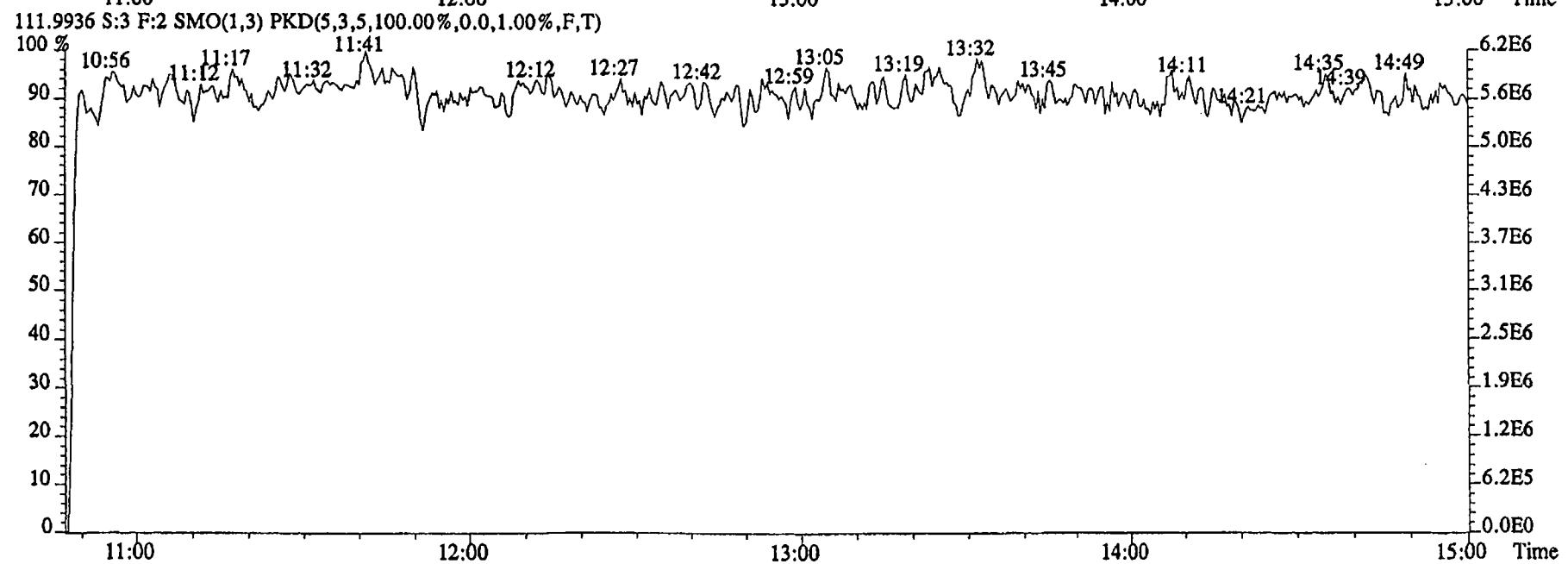
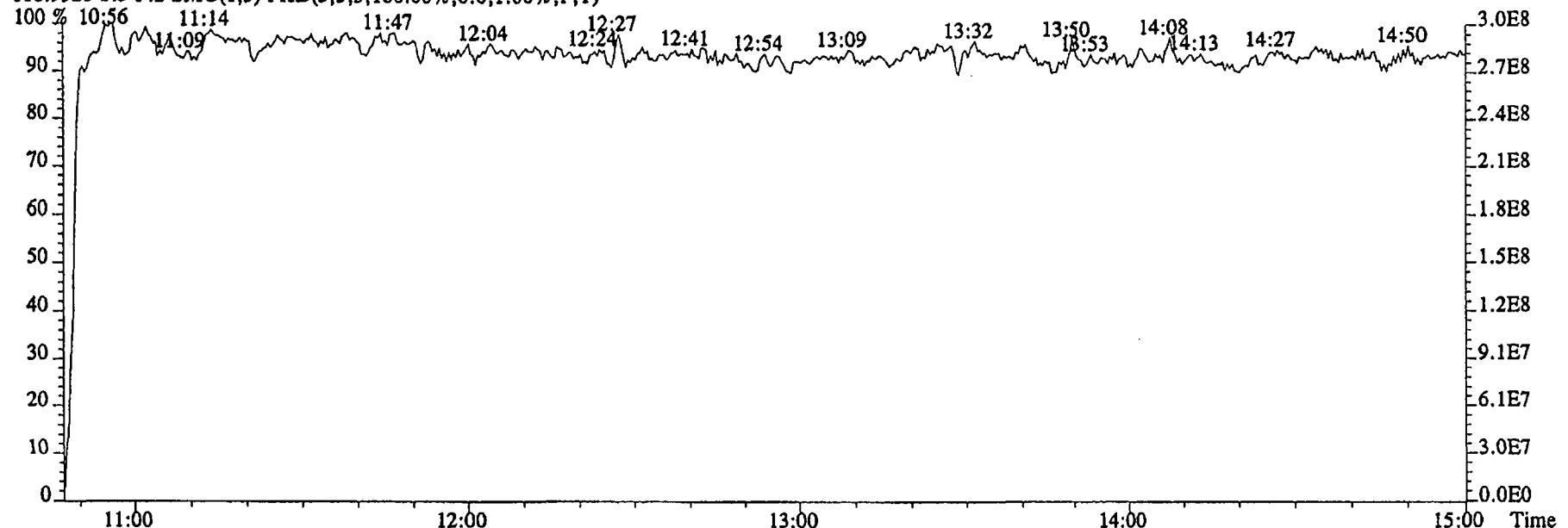
File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
 Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
 68.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



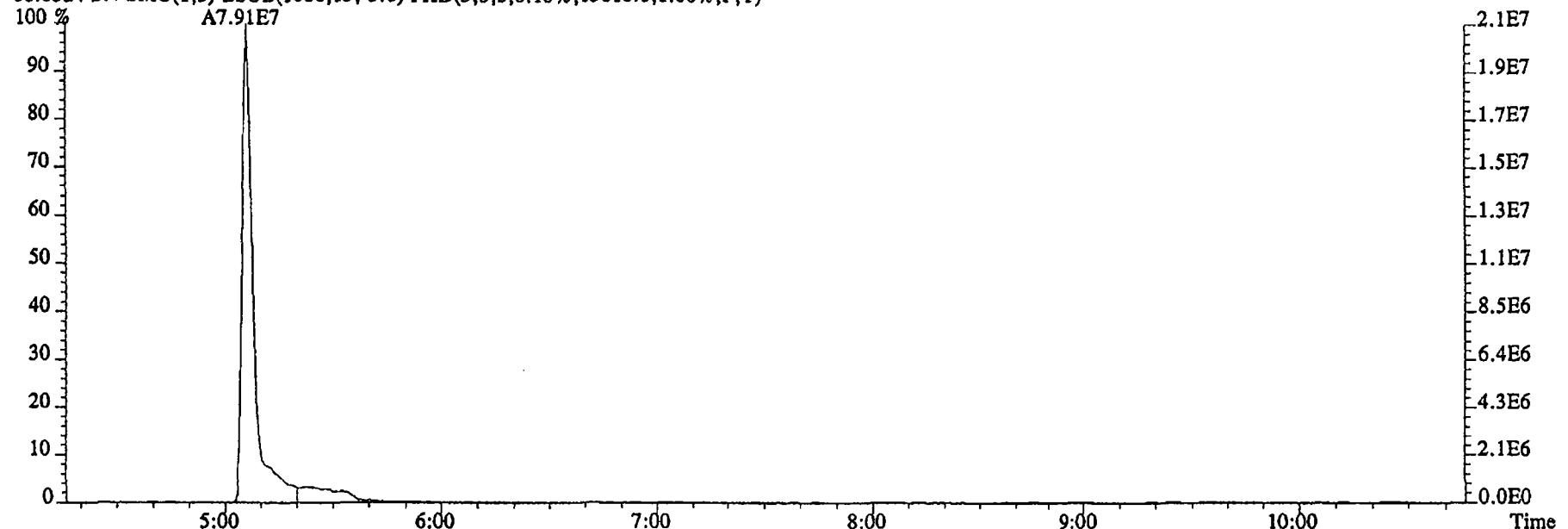
80.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



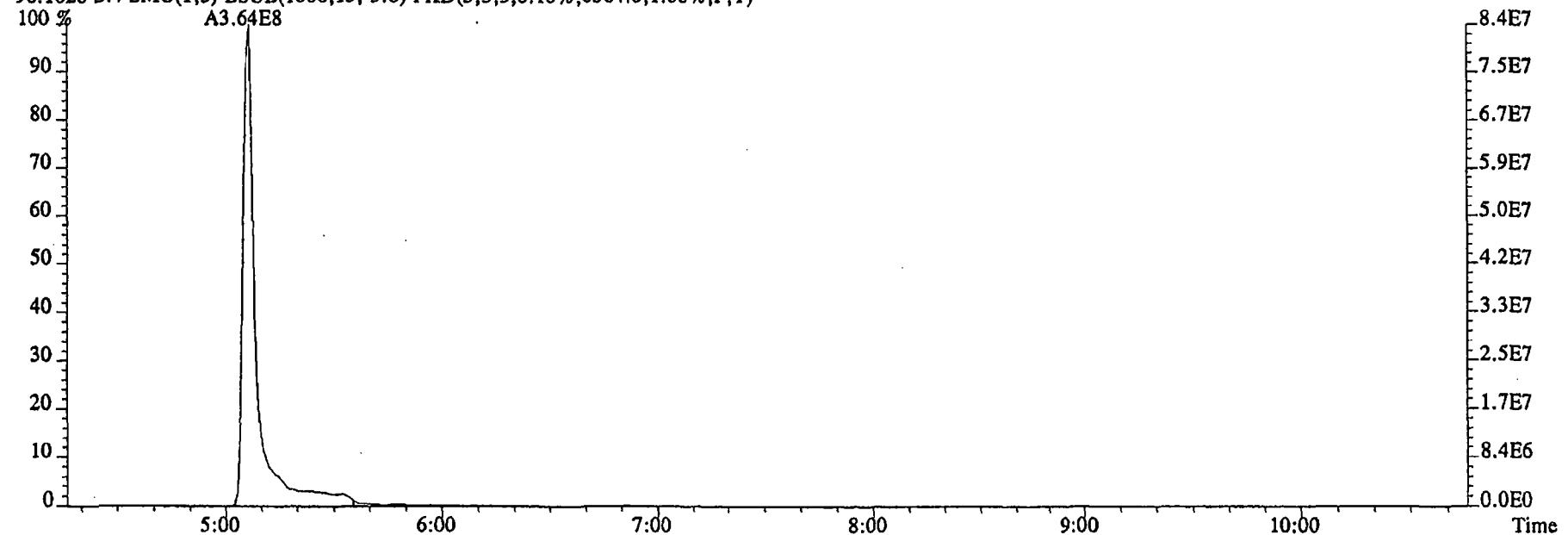
File:16DE045SP #1-590 Acq:16-DEC-2004 19:19:02 GC El+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
118.9920 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



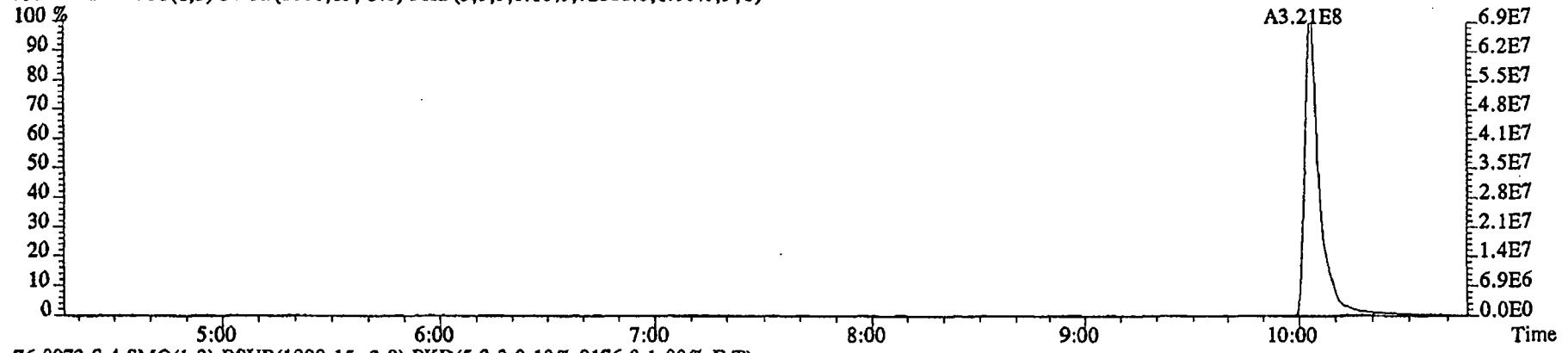
File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
88.0524 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15816.0,1.00%,F,T)



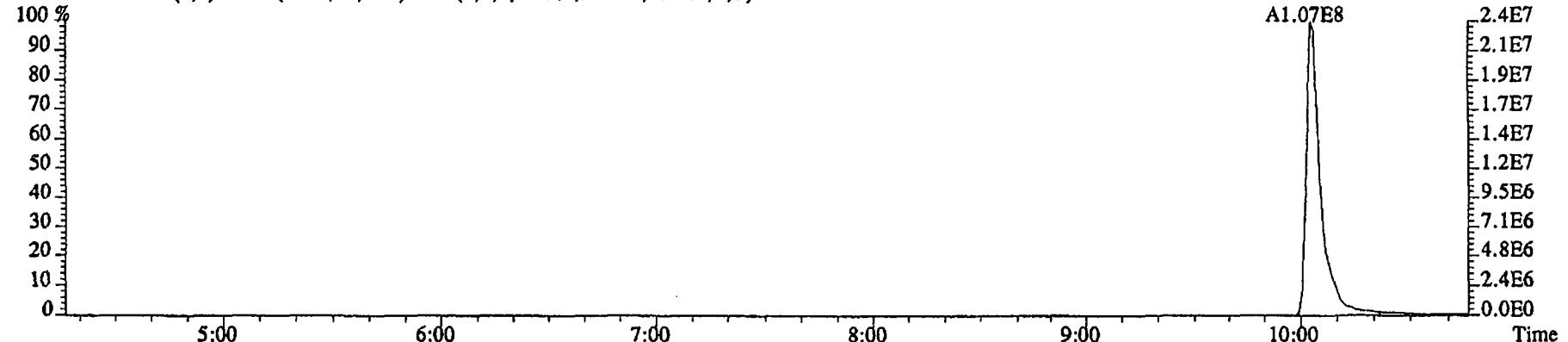
96.1026 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6384.0,1.00%,F,T)



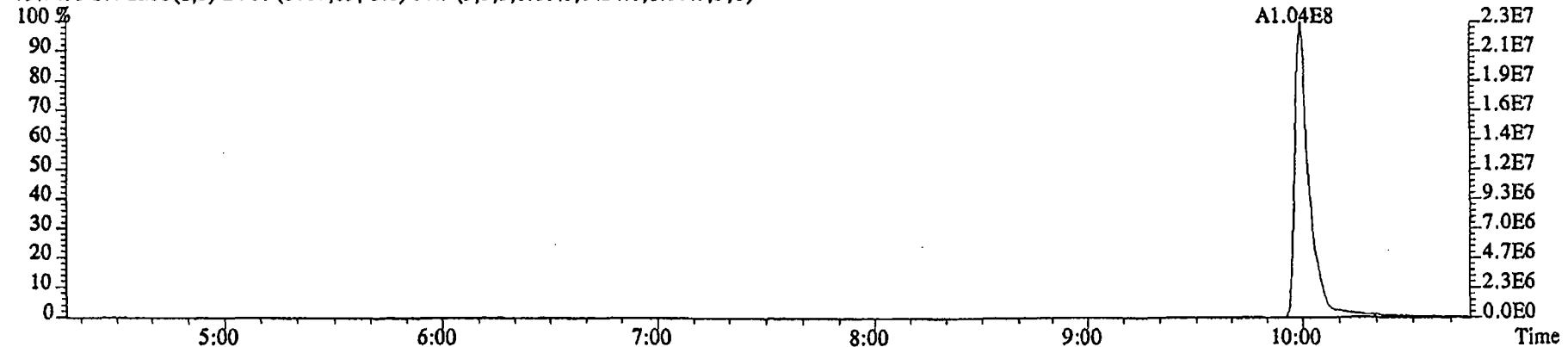
File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC El+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
75.0002 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72888.0,1.00%,F,T)



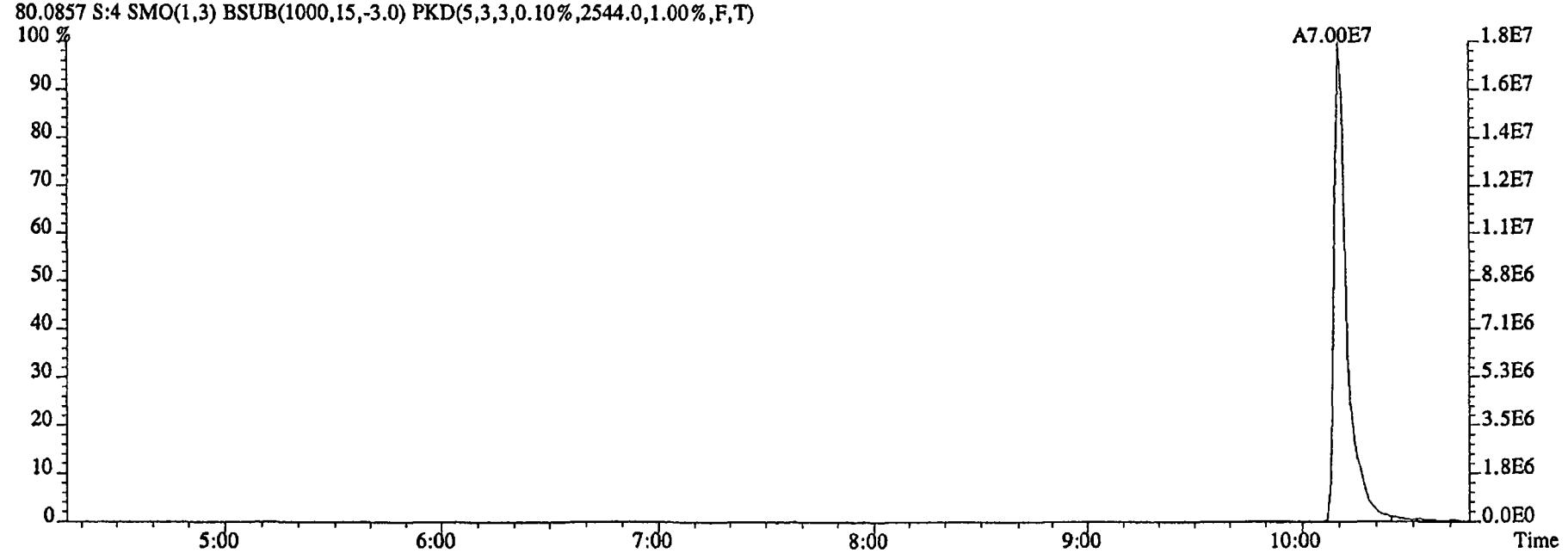
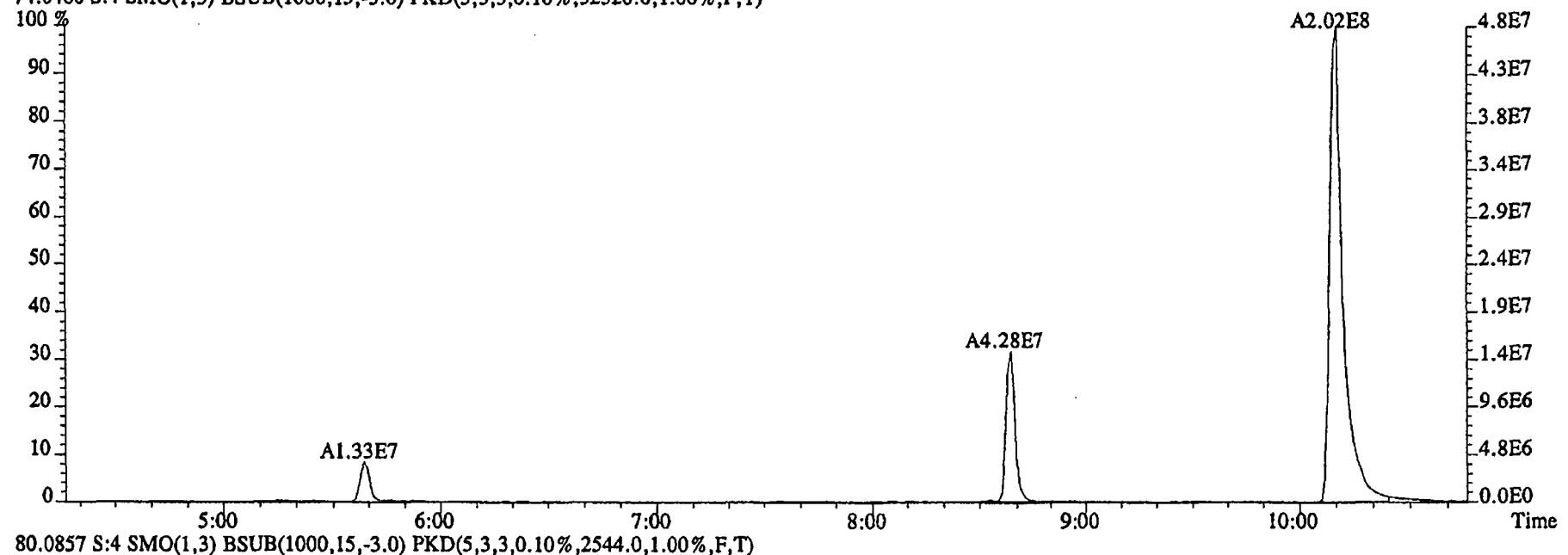
76.9972 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9176.0,1.00%,F,T)



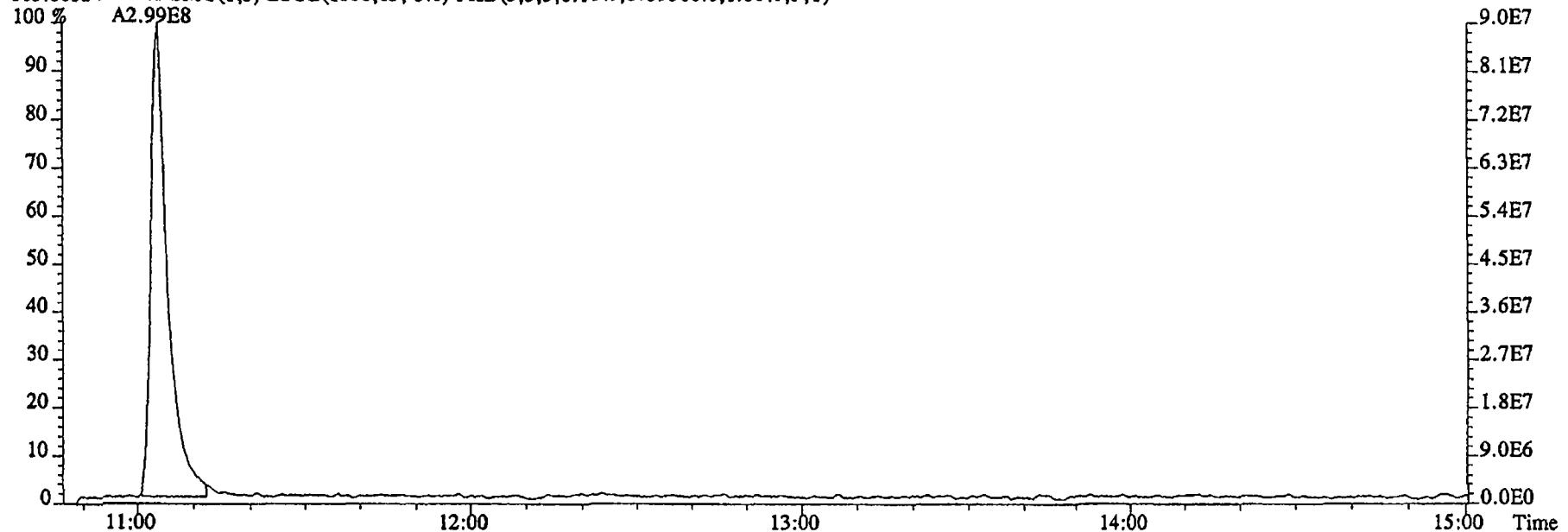
79.0253 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8424.0,1.00%,F,T)



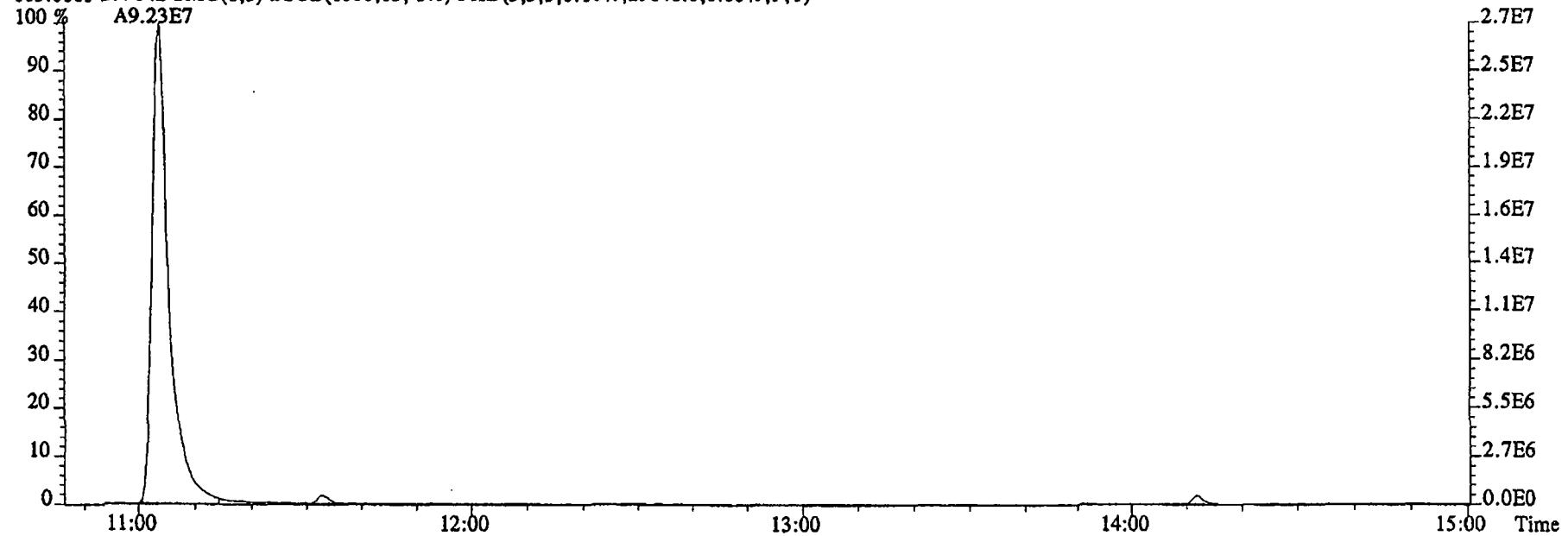
File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
74.0480 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32520.0,1.00%,F,T)



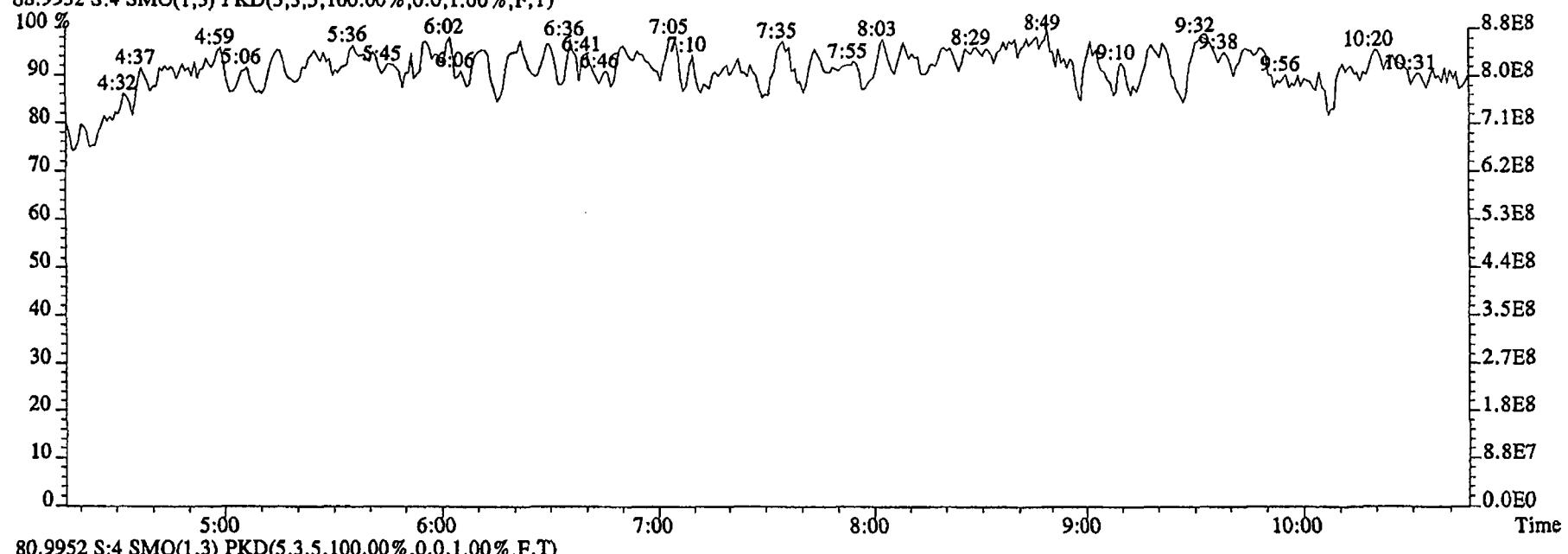
File:16DE045SP #1-592 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
113.0032 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1759560.0,1.00%,F,T)



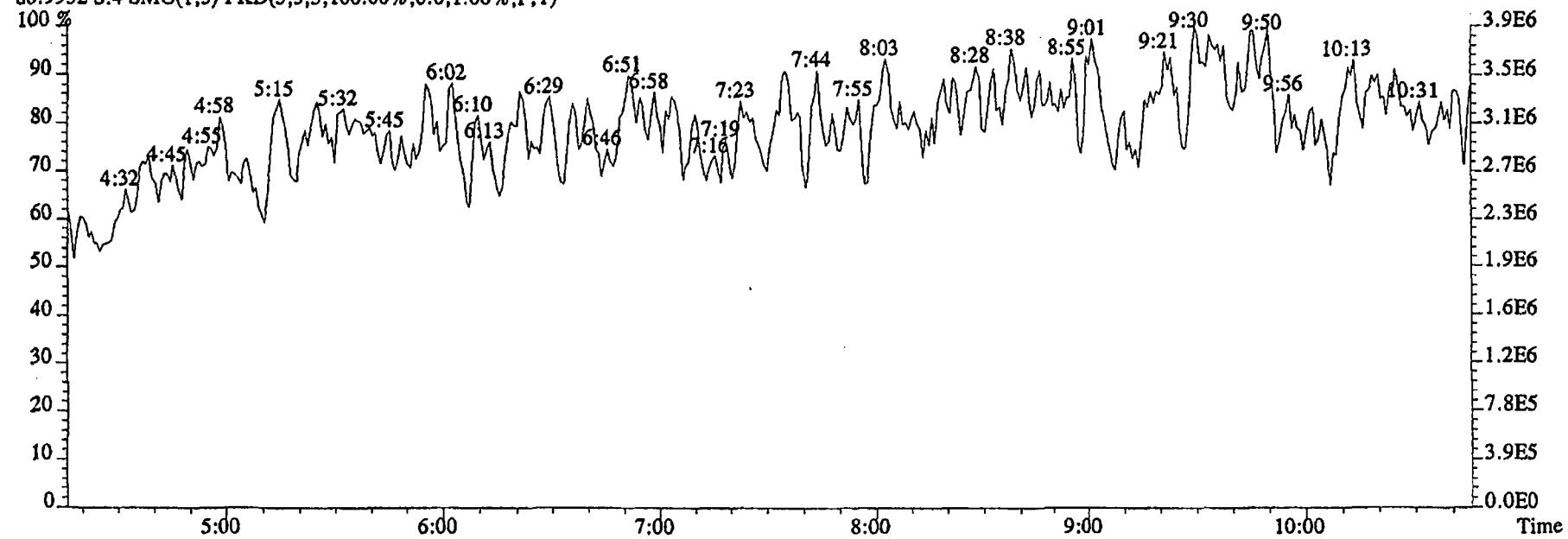
115.0003 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29648.0,1.00%,F,T)



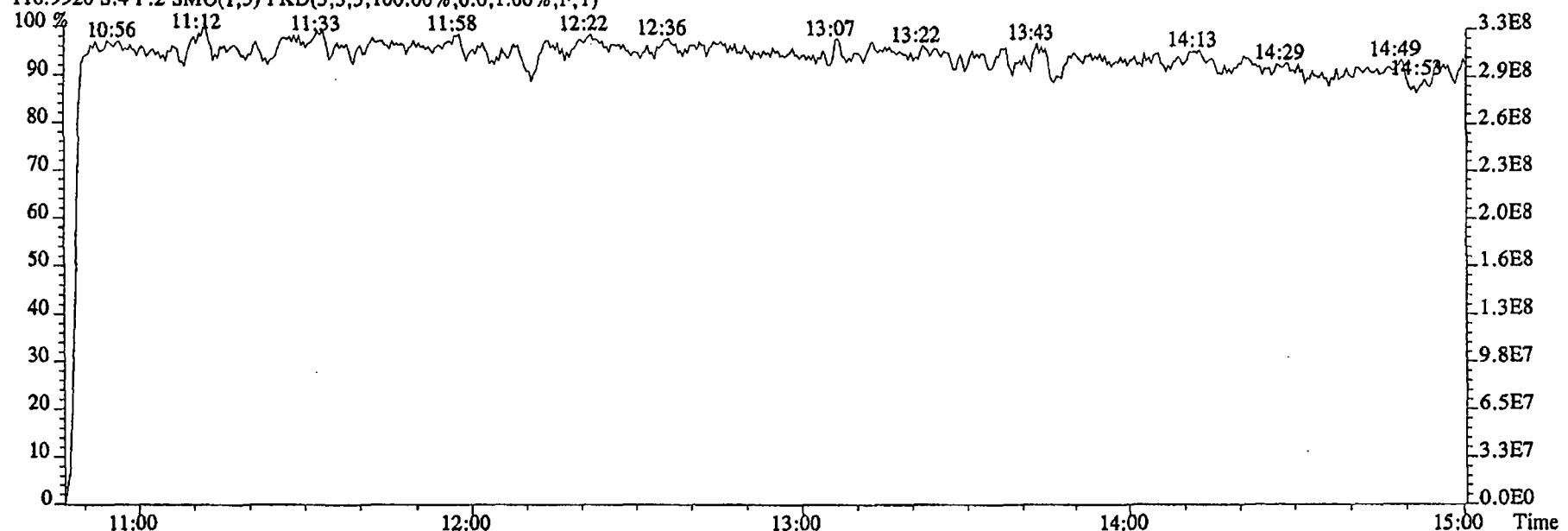
File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
 Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
 68.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



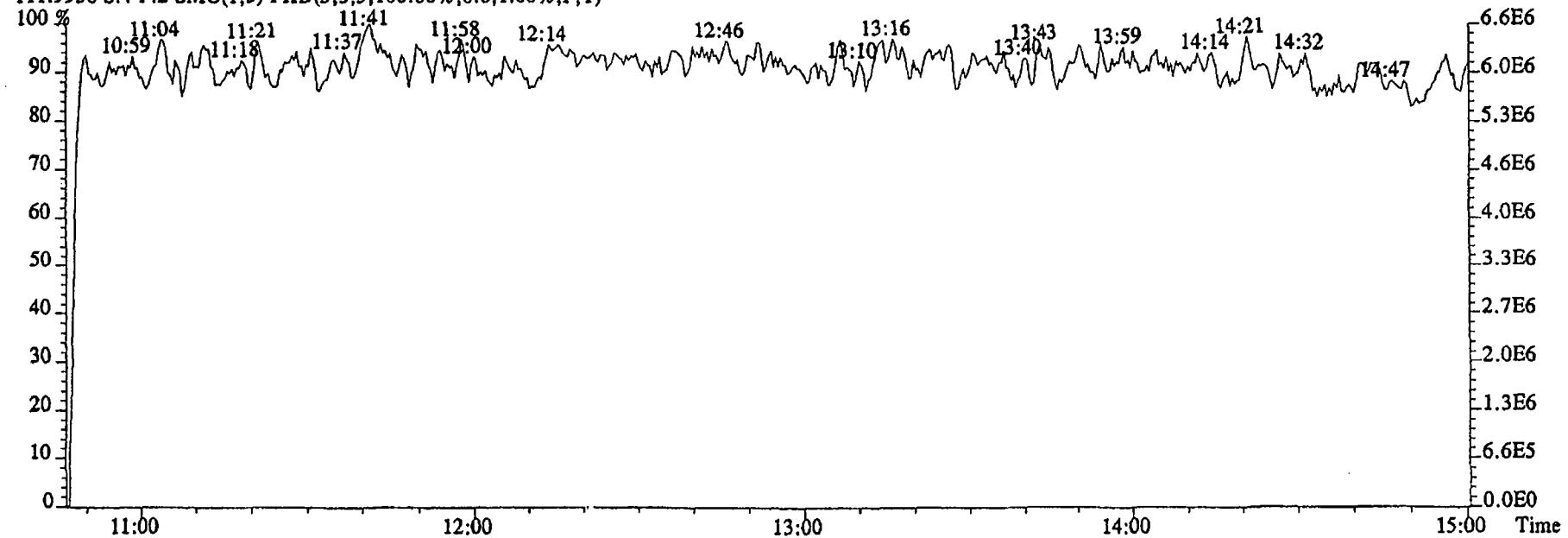
80.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



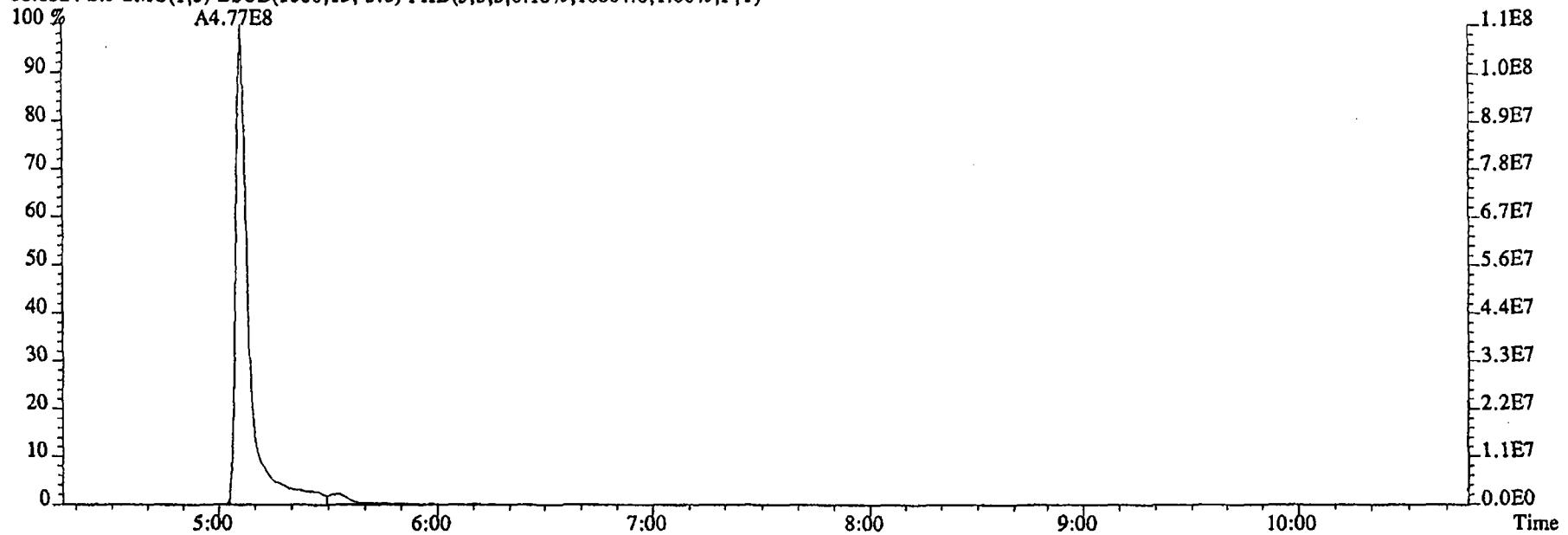
File:16DE04SSP #1-592 Acq:16-DEC-2004 19:39:23 GC El+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
118.9920 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



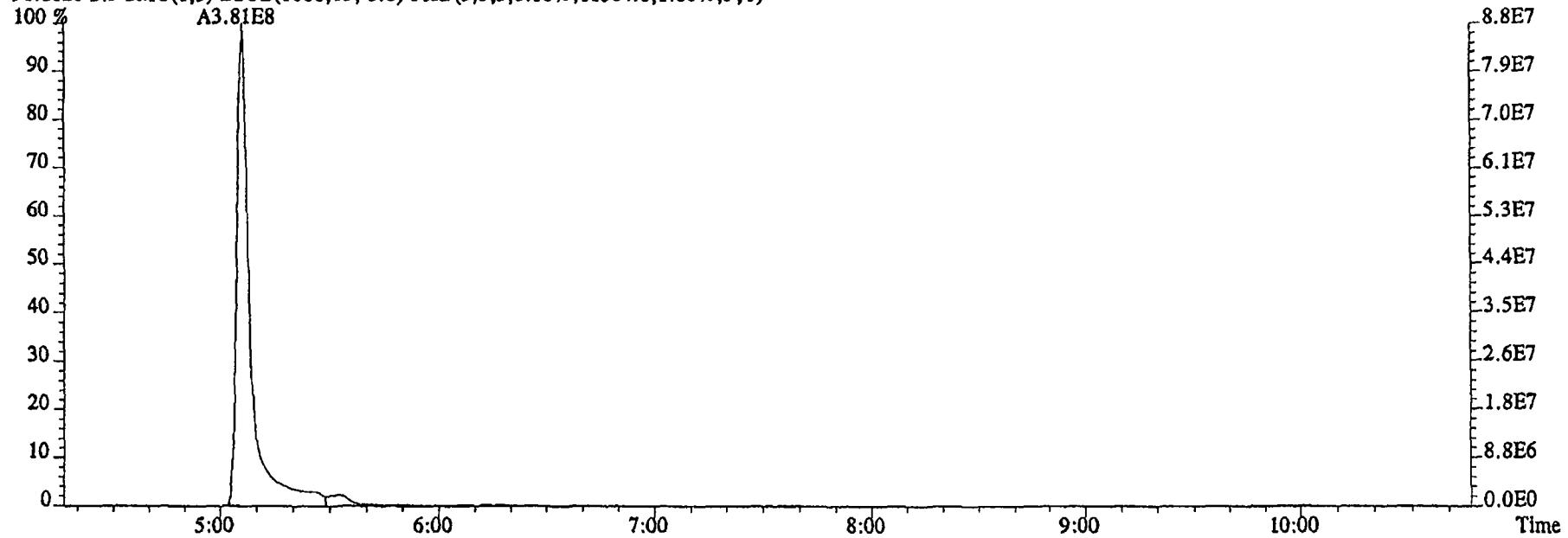
111.9936 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



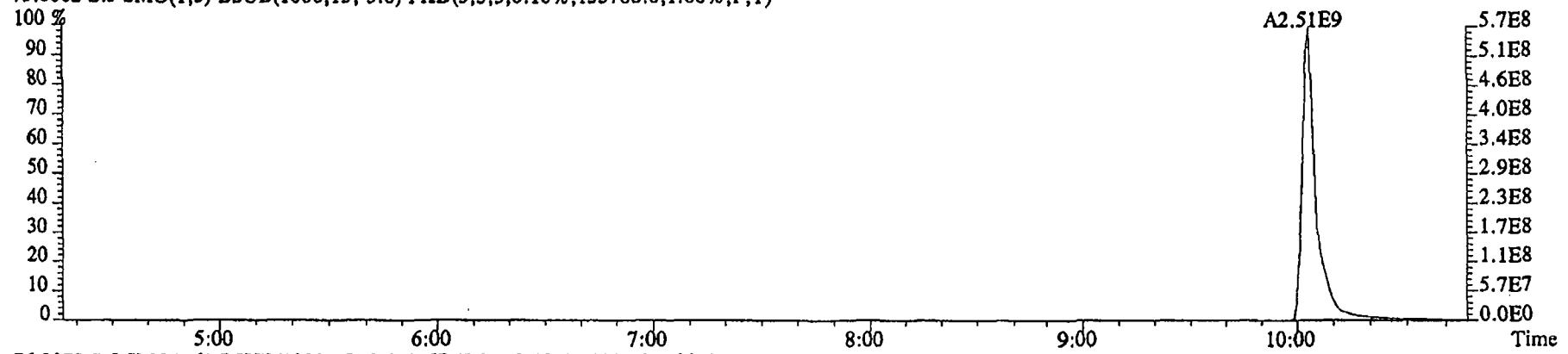
File:16DE04SSP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CSS 2350-68E Exp:NDMAVOA
88.0524 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16664.0,1.00%,F,T)



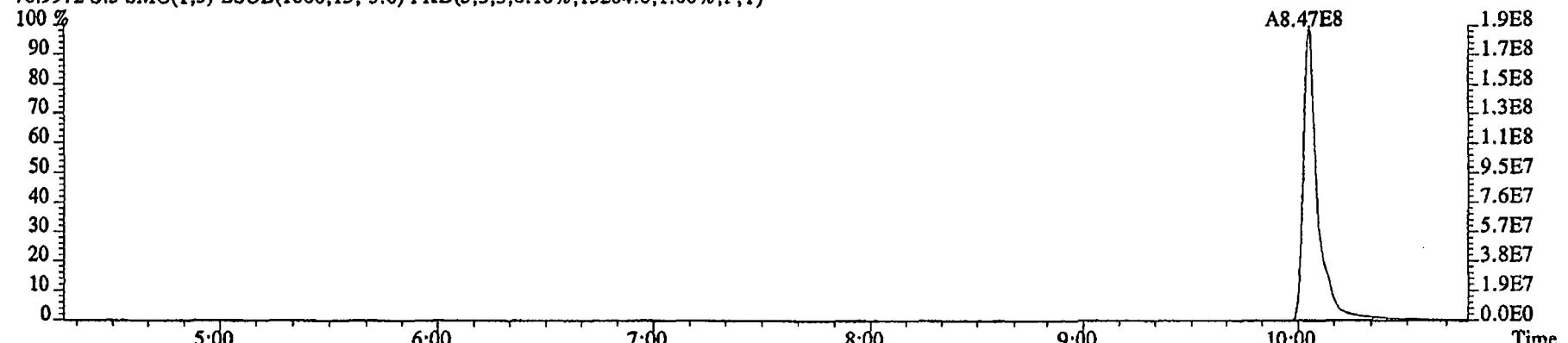
96.1026 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11384.0,1.00%,F,T)



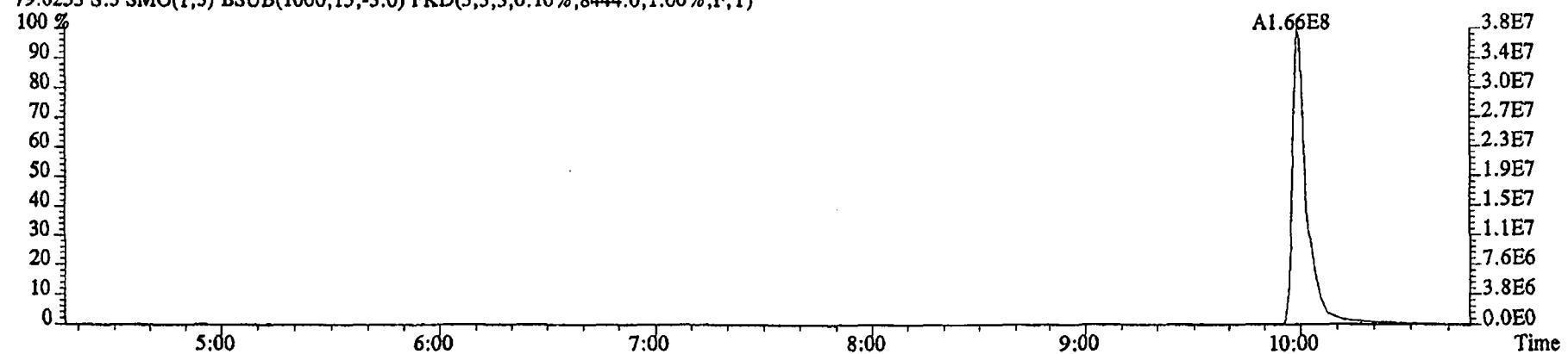
File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
75.0002 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,135768.0,1.00%,F,T)



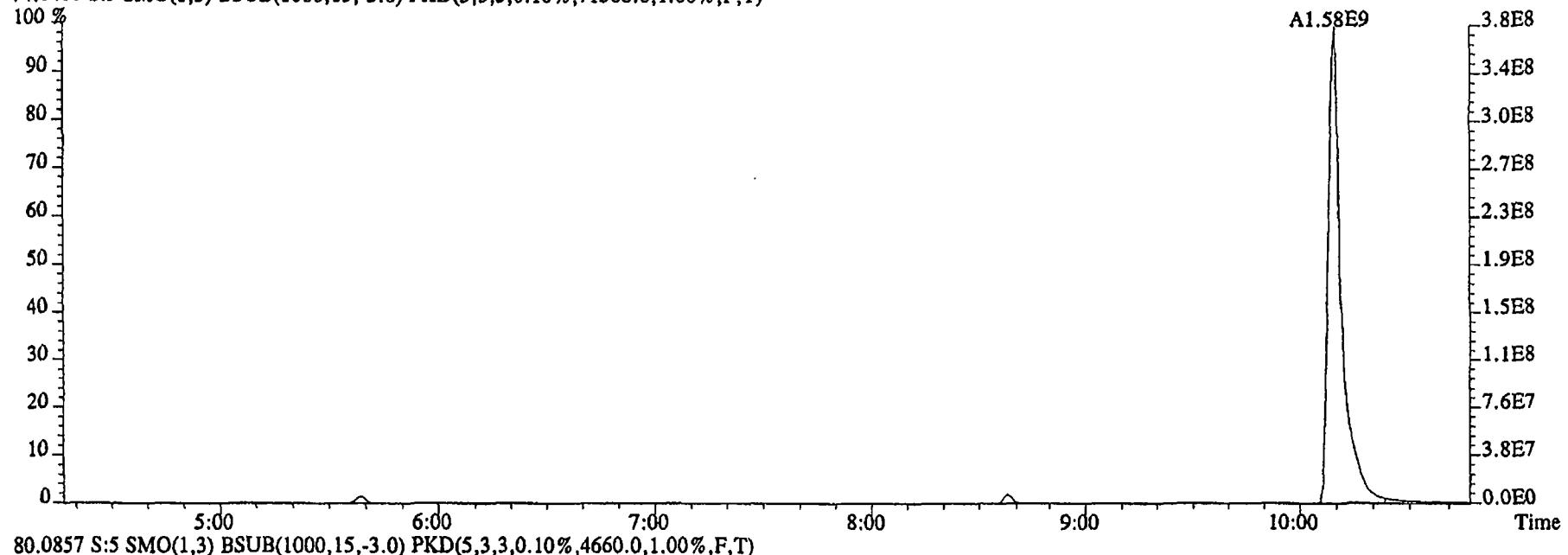
76.9972 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15204.0,1.00%,F,T)



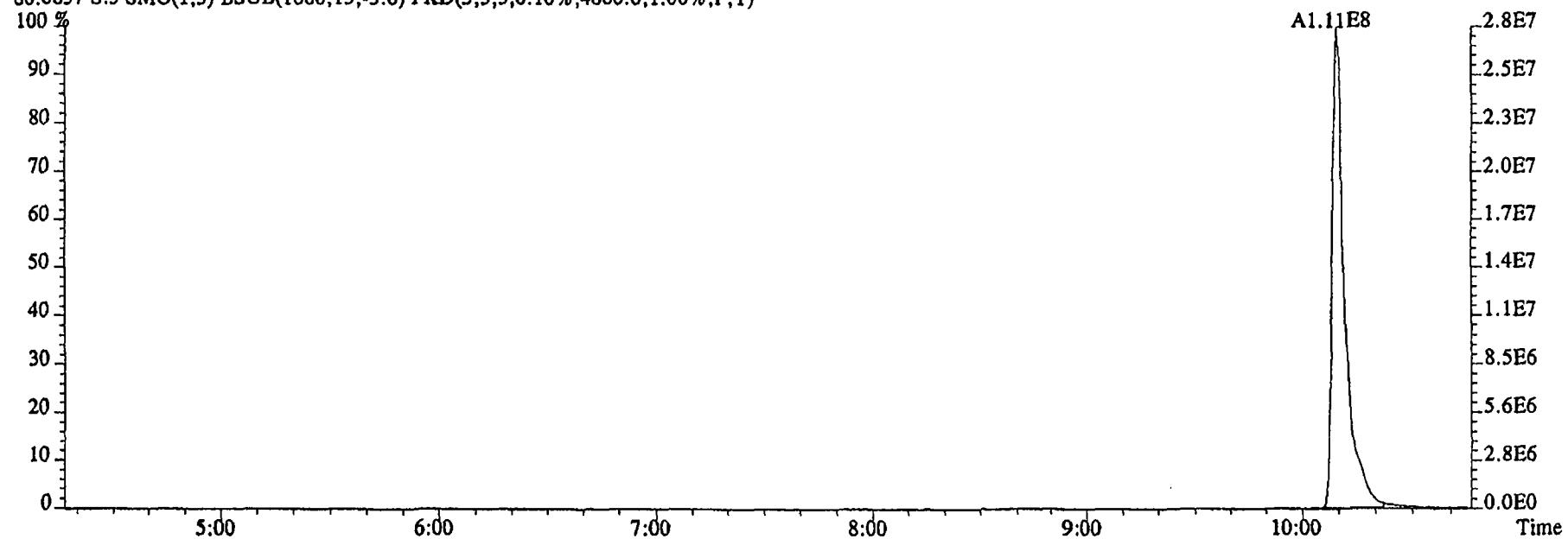
79.0253 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8444.0,1.00%,F,T)



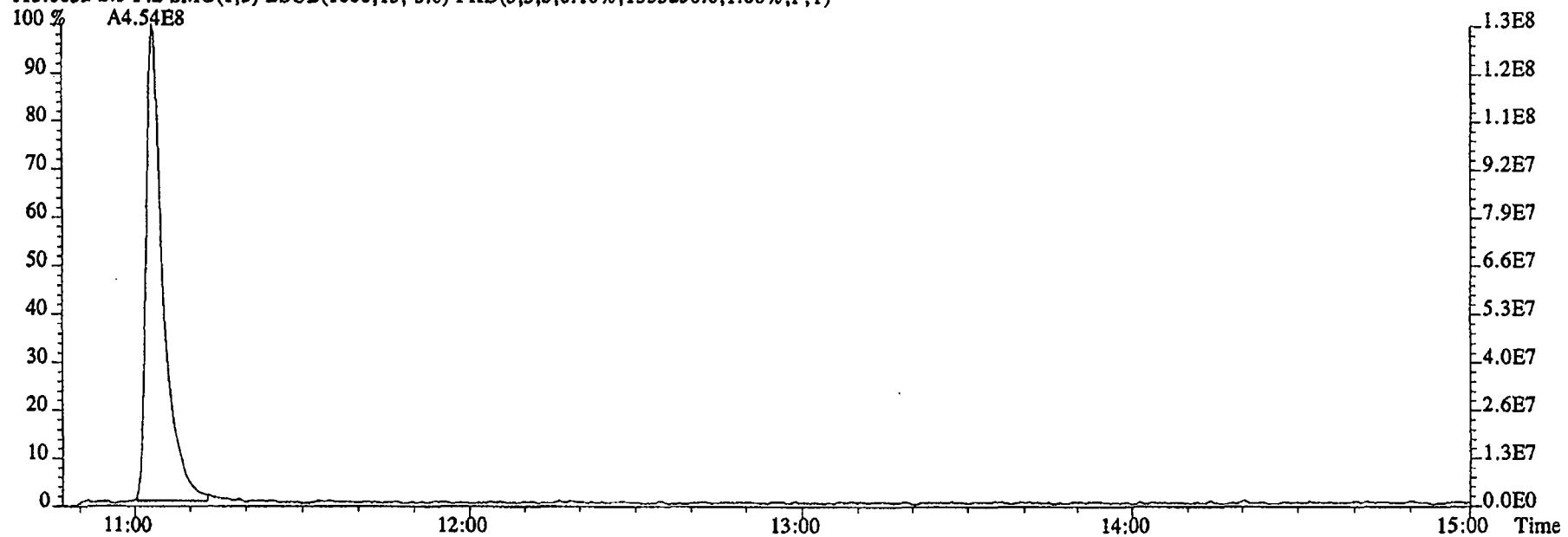
File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC El+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
74.0480 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,71568.0,1.00%,F,T)



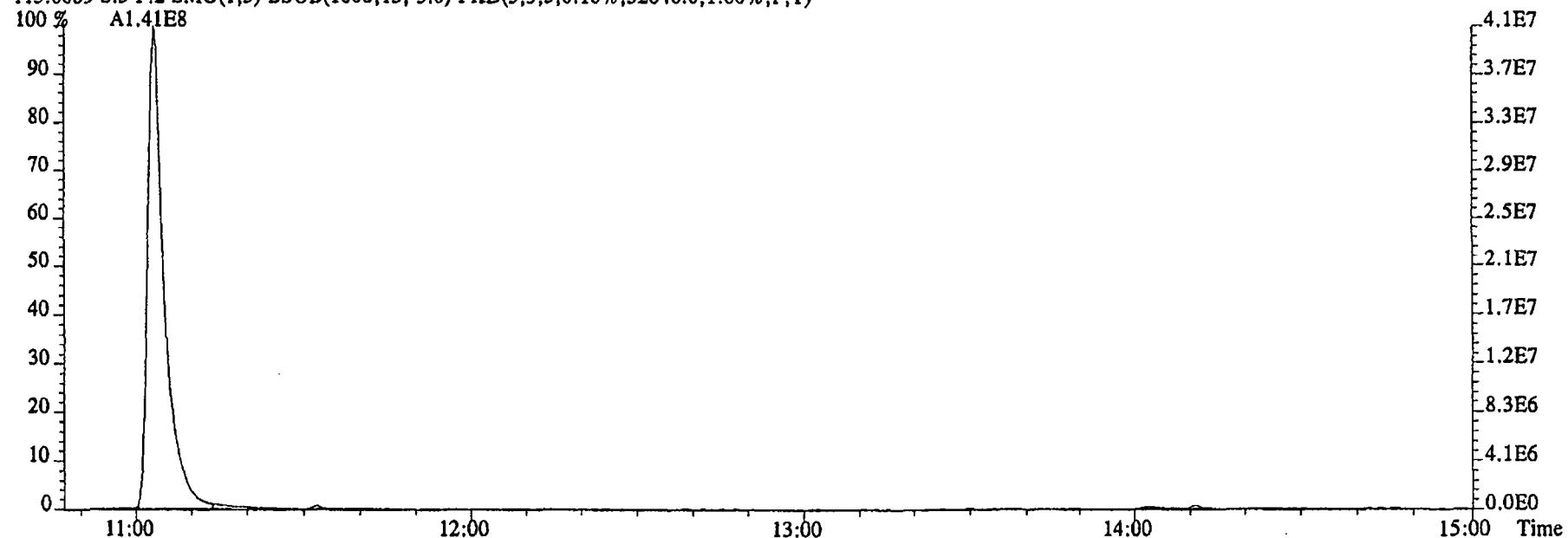
80.0857 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4660.0,1.00%,F,T)



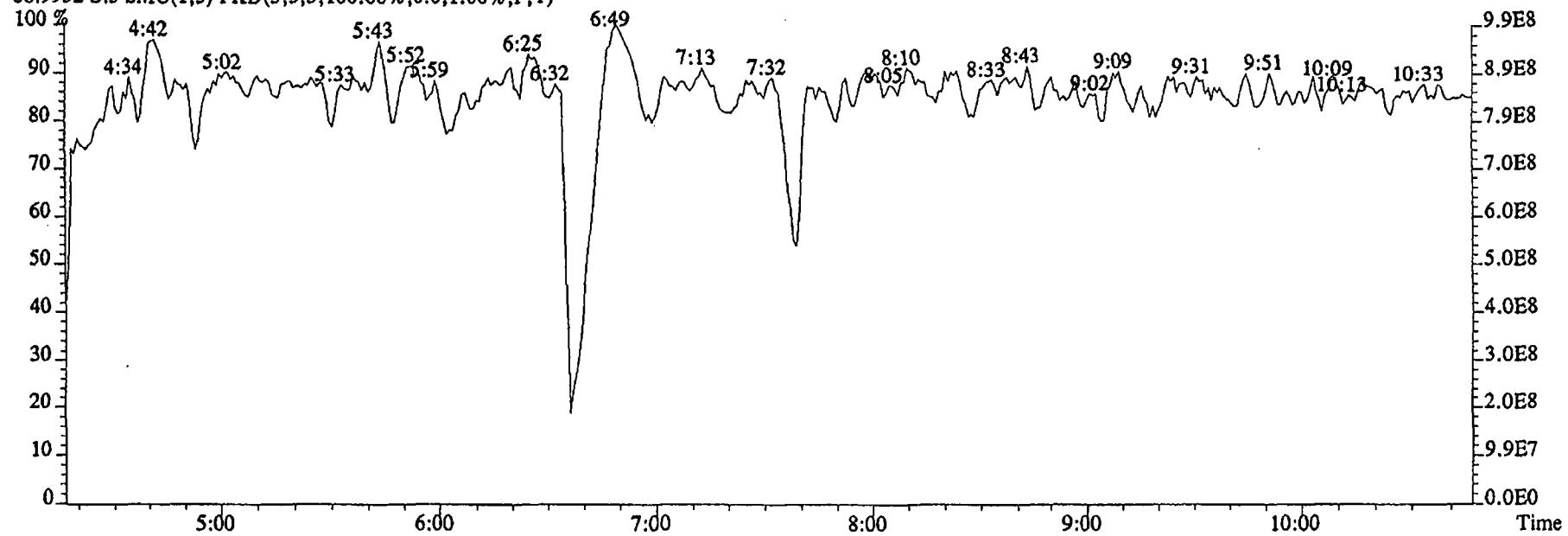
File:16DE045SP #1-590 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
113.0032 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1335256.0,1.00%,F,T)



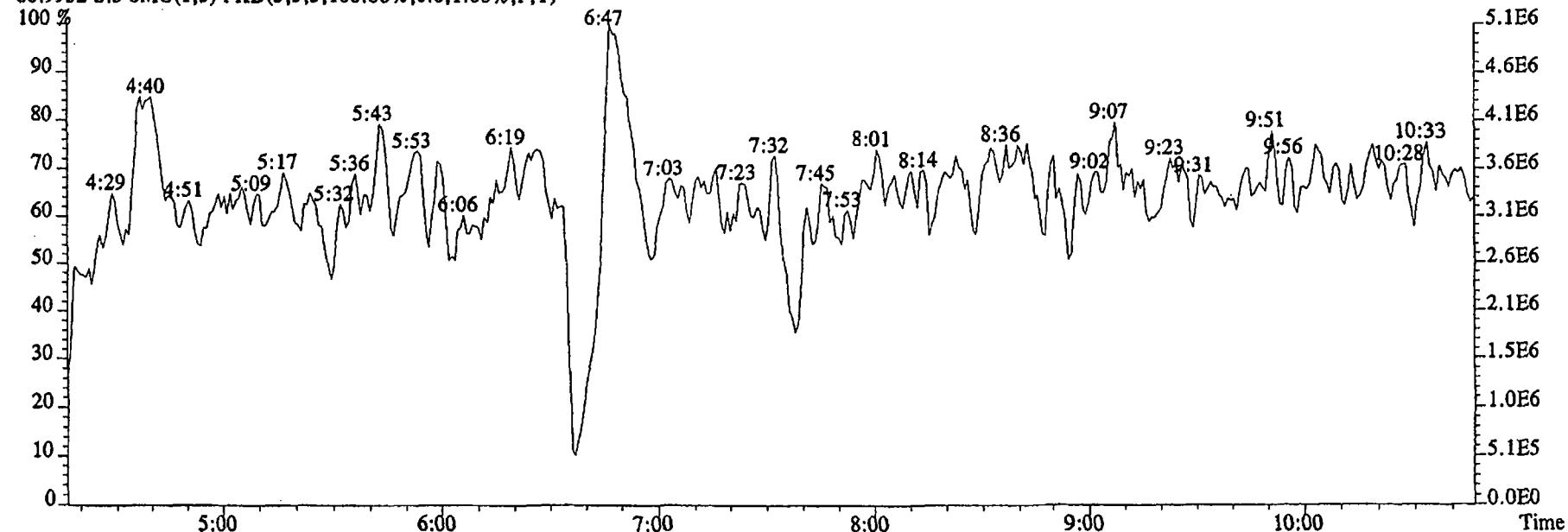
115.0003 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32048.0,1.00%,F,T)



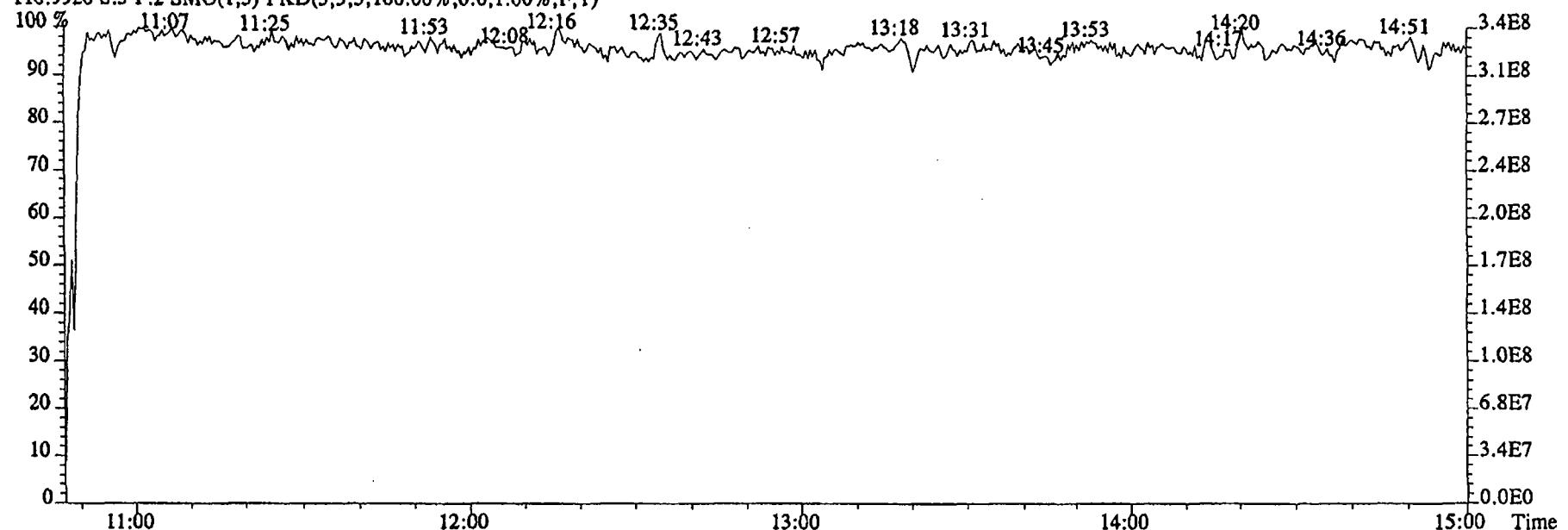
File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
 Sample#5 Text:ST1216D :CSS 2350-68E Exp:NDMAVOA
 68.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



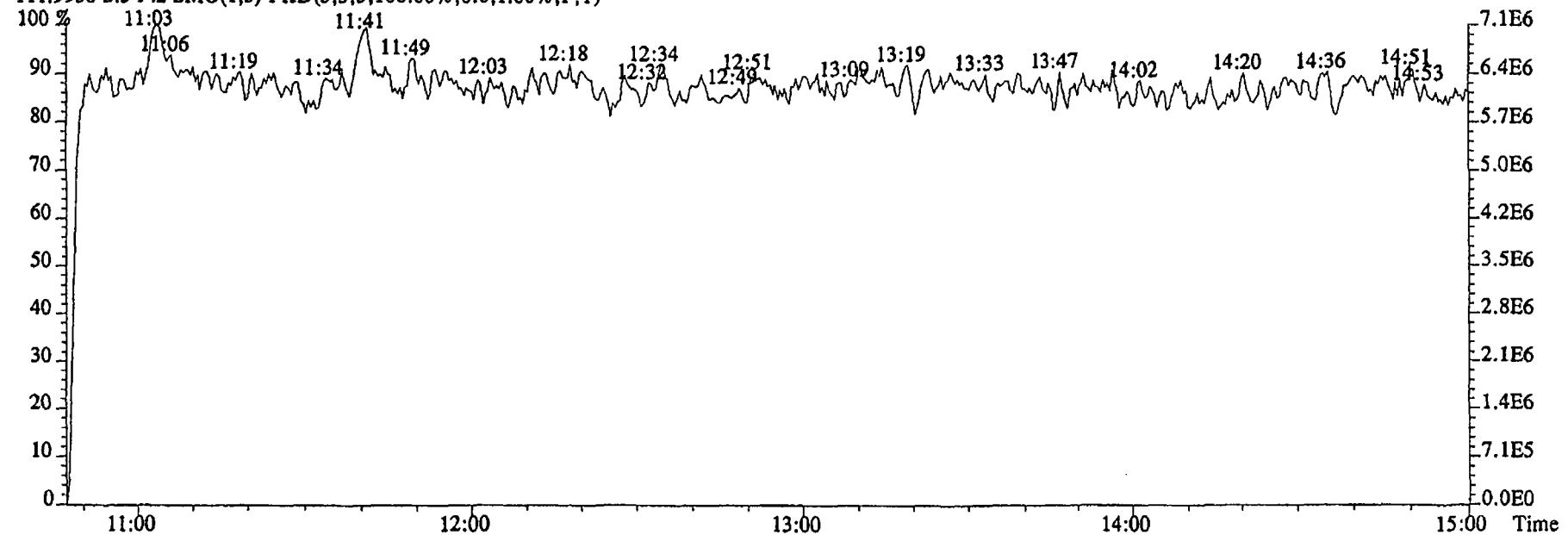
80.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
118.9920 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Initial Calibration Checklist
High Resolution

ICAL ID 1625 1229045SP

Method ID 1625 (moo)

Column ID SL-2231

Instrument ID 65P

STD ID's ST1229 - ST12290

STD Solution J350-61A-61E

Multiplier Setting .720

Analyzed By cjchell

Date Analyzed 12-29-04

Prepared By cjchell

Date Prepared 12-30-04

Reviewed By AM

Date Reviewed 12-30-04

ANALYSIS OF ICAL		
	INITIATED	REVIEWED
Curve summary present?	/	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	NA	NA
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	/	✓

COMMENTS:

Method 8290: %RSD \leq 20% for natives, \leq 30% for labeled analytes; S/N \geq 10

Method 1613A: %CV \leq 35% (See Table 7, Method 1613A); S/N \geq 10

Method 23: %RSD \leq values specified in Table 5, Method 23; S/N $>$ 2.5

PAH: %RSD \leq 30% for natives and labeled compounds; S/N \geq 10

PCB: %RSD \leq 20% for natives, \leq 40% for labeled compounds; S/N \geq 2.5

NCASI 551: %RSD \leq 20% for natives and labeled compounds; \geq 5

DBD/DBF: %RSD \leq 30% for natives, \leq 40% for labeled analytes; S/N \geq 10

Run: CP

Analyte: 1625

Cal: 16251229045SP

CS1 2350-68A
CS4 2350-68DCS2 2350-68B
CS5 2350-68E

CS3 2350-68C

Name	Mean	S. D.	%RSD	29DE045SP				
				S1 RRF1	S2 RRF2	S3 RRF3	S4 RRF4	S5 RRF5
2-Chloropyridine	-	-	- %	-	-	-	-	-
D8-1,4-Dioxane	1.109	0.124	11.2 %	1.16	1.20	1.23	0.99	0.97
1,4-Dioxane	1.890	0.233	12.3 %	1.73	1.85	1.65	1.98	2.24
D5-123-TriChloroPropane	2.685	0.728	27.1 %	1.76	2.19	2.94	2.91	3.63
1,2,3-TriChloroPropane	0.439	0.039	8.78 %	0.48	0.47	0.40	0.45	0.40
1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
D6-NDMA	1.682	0.384	22.8 %	1.23	1.39	1.81	1.78	2.21
NDMA	1.368	0.111	8.14 %	1.54	1.39	1.27	1.36	1.28
2-Chloropyridine	-	-	- %	-	-	-	-	-

Run #1 Filename 29DE045SP S: 1 I: 1
 Acquired: 29-DEC-04 13:31:25 Processed: 29-DEC-04 15:20:22
 Run: CP Analyte: 1625 Cal: 16251229045SP
 Comments:

Sample text: CS1 2350-68A

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	43931900		11:07	-	200.00	n
D8-1,4-Dioxane	255280000		5:08	1.16	1000.00	n
1,4-Dioxane	883662		5:08	1.73	2.00	n
D5-123-TriChloroPropane	38606100		10:02	1.76	100.00	n
1,2,3-TriChloroPropane	371892		10:06	0.48	2.00	n
1,2,3-TriChloroPropane	1083540		10:06	-	2.00	n
D6-NDMA	27059200		10:14	1.23	100.00	n
NDMA	835410		10:13	1.54	2.00	y
2-Chloropyridine	137336000		11:07	-	200.00	n

Run #2 Filename 29DE045SP S: 2 I: 1
 Acquired: 29-DEC-04 13:51:41 Processed: 29-DEC-04 15:20:23
 Run: CP Analyte: 1625 Cal: 16251229045SP
 Comments:
 Sample text: CS2 2350-68B

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	36619300		11:06	-	200.00	n
D8-1,4-Dioxane	220296000		5:09	1.20	1000.00	n
1,4-Dioxane	4065020		5:09	1.85	10.00	y
D5-123-TriChloroPropane	40043400		10:03	2.19	100.00	n
1,2,3-TriChloroPropane	1878290		10:06	0.47	10.00	n
1,2,3-TriChloroPropane	5780820		10:06	-	10.00	n
D6-NDMA	25406600		10:13	1.39	100.00	n
NDMA	3536450		10:12	1.39	10.00	n
2-Chloropyridine	114393000		11:07	-	200.00	n

Run #3 Filename 29DE045SP S: 3 I: 1
 Acquired: 29-DEC-04 14:12:03 Processed: 29-DEC-04 15:20:23
 Run: CP Analyte: 1625 Cal: 16251229045SP

Comments:

Sample text: CS3 2350-68C

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	32991000		11:07	-	200.00	n
D8-1,4-Dioxane	202800000		5:09	1.23	1000.00	n
1,4-Dioxane	16745100		5:09	1.65	50.00	y
D5-123-TriChloroPropane	48555000		10:03	2.94	100.00	n
1,2,3-TriChloroPropane	9638120		10:06	0.40	50.00	n
1,2,3-TriChloroPropane	30734100		10:07	-	50.00	n
D6-NDMA	29834500		10:13	1.81	100.00	n
NDMA	18947600		10:13	1.27	50.00	n
2-Chloropyridine	105319000		11:07	-	200.00	n

Run #4 Filename 29DE045SP S: 4 I: 1
 Acquired: 29-DEC-04 14:32:28 Processed: 29-DEC-04 15:20:23
 Run: CP Analyte: 1625 Cal: 16251229045SP
 Comments:
 Sample text: CS4 2350-68D

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	37422400		11:07	-	200.00	n
D8-1,4-Dioxane	184403000		5:08	0.99	1000.00	n
1,4-Dioxane	72953900		5:08	1.98	200.00	n
D5-123-TriChloroPropane	54362300		10:02	2.91	100.00	n
1,2,3-TriChloroPropane	48462000		10:06	0.45	200.00	n
1,2,3-TriChloroPropane	155601000		10:06	-	200.00	n
D6-NDMA	33276800		10:14	1.78	100.00	n
NDMA	90306800		10:13	1.36	200.00	n
2-Chloropyridine	120379000		11:07	-	200.00	n

Run #5 Filename 29DE045SP S: 5 I: 1
 Acquired: 29-DEC-04 14:52:54 Processed: 29-DEC-04 15:20:24
 Run: CP Analyte: 1625 Cal: 16251229045SP
 Comments:
 Sample text: CS5 2350-68E

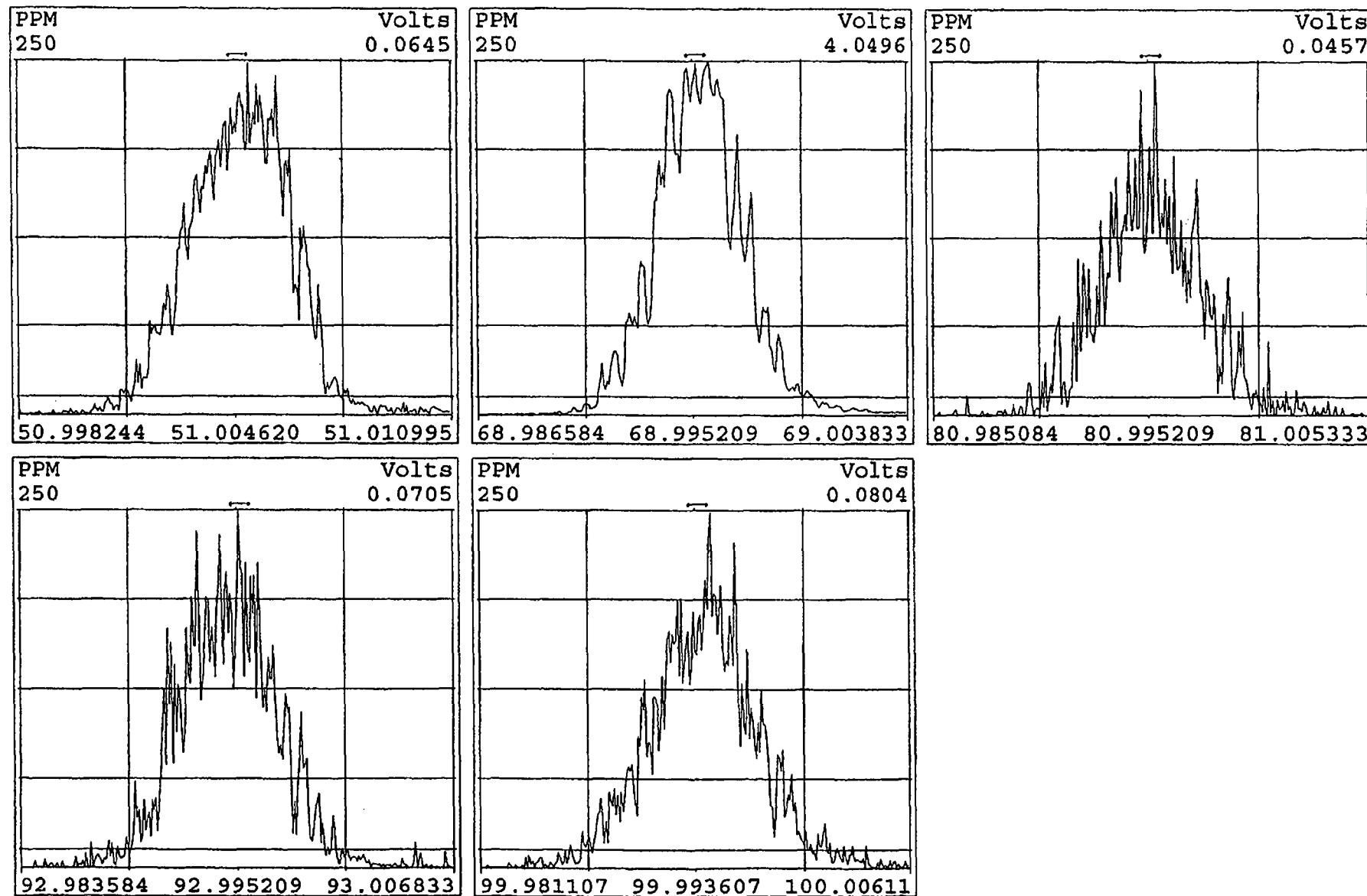
Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	34836700		11:07	-	200.00	n
D8-1,4-Dioxane	168307000		5:08	0.97	1000.00	n
1,4-Dioxane	377465000		5:09	2.24	1000.00	n
D5-123-TriChloroPropane	63242900		10:02	3.63	100.00	n
1,2,3-TriChloroPropane	253903000		10:06	0.40	1000.00	n
1,2,3-TriChloroPropane	819992000		10:06	-	1000.00	n
D6-NDMA	38415600		10:14	2.21	100.00	n
NDMA	490177000		10:13	1.28	1000.00	n
2-Chloropyridine	110629000		11:07	-	200.00	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29DE045SP	1	ST1229	CS1 2350-68A				1.000	
29DE045SP	2	ST1229A	CS2 2350-68B				1.000	
29DE045SP	3	ST1229B	CS3 2350-68C				1.000	
29DE045SP	4	ST1229C	CS4 2350-68D				1.000	
29DE045SP	5	ST1229D	CS5 2350-68E				1.000	
29DE045SP	6	SB1229	Solvent Blank DCM				1.000	
29DE045SP	7	G0XDP-1-AAB	G4L080479-1MB	500	1625/WATER	VS54	1.000	L
29DE045SP	8	G0XDP-1-ACC	G4L080479-1LCS	500	1625/WATER		1.000	L
29DE045SP	9	G1NWF-1-AAB	G4L080479-1MBRX	500	1625/WATER	VS56	1.000	L
29DE045SP	10	G1NWF-1-ACC	G4L080479-1LCSRX	500	1625/WATER		1.000	L
29DE045SP	11	G0K68-2-AC	G4L080479-1RX	500	1625/WATER		0.974	L
29DE045SP	12	G0K69-2-AC	G4L080479-2RX	500	1625/WATER		0.972	L
29DE045SP	13	G0K7A-2-AC	G4L080479-3RX	500	1625/WATER		0.652	L
29DE045SP	14	G0K7D-2-AC	G4L080479-4RX	500	1625/WATER		0.933	L
29DE045SP	15	G0K7E-2-AC	G4L080479-5RX	500	1625/WATER		0.928	L
29DE045SP	16	G0K7F-2-AC	G4L080479-6RX	500	1625/WATER		0.896	L
29DE045SP	17	G1J3M-1-AAB	E4L140212-4MB	500	1625/WATER		1.000	L
29DE045SP	18	G1J3M-1-ACC	E4L140212-4LCS	500	1625/WATER		1.000	L
29DE045SP	19	G01DV-1-AA	E4L140212-4	500	1625/WATER		1.034	L
29DE045SP	20	G01FC-1-AA	E4L140212-6	500	1625/WATER		1.056	L
29DE045SP	21	G06AP-1-AA	E4L150369-17	500	1625/WATER		1.038	L
29DE045SP	22	G1J3M-1-ADL	E4L150369-17LCS	500	1625/WATER		1.000	L
29DE045SP	23	G0PC2-2-AC	G4L090480-1RX	500	1625/WATER		0.973	L
29DE045SP	24	G0PC4-2-AC	G4L090480-2RX	500	1625/WATER		0.976	L
29DE045SP	25	G0PC5-2-AC	G4L090480-3RX	500	1625/WATER		0.985	L
29DE045SP	26	G0R14-2-AA	G4L100385-5RX	500	1625/WATER		0.915	L
29DE045SP	27	G0MLW-2-AA	G4L090264-1RX	500	1625/WATER		0.970	L
29DE045SP	28	G1WH4-1-AAB	G4L220361-1MB	500	1625/WATER		1.000	L
29DE045SP	29	G1WH4-1-ACC	G4L220361-1LCS	500	1625/WATER		1.000	L
29DE045SP	30	G1WH4-1-ADL	G4L220361-1DCS	500	1625/WATER		1.000	L
29DE045SP	31	G1PVH-1-AA	G4L220361-1	500	1625/WATER		0.976	L
29DE045SP	32	SB1229A	Solvent Blank DCM				1.000	
29DE045SP	33	ST1229E	CS3 2350-68C				1.000	
29DE045SP	34	SB1229B	Solvent Blank DCM				1.000	
29DE045SP	35	G1J3M-1-AAB	E4L140212-4MB (2X)	1000	1625/WATER	VS56	1.000	L
29DE045SP	36	G1J3M-1-ACC	E4L140212-4LCS (2X)	1000	1625/WATER		1.000	L
29DE045SP	37	G01DV-1-AA	E4L140212-4 (2X)	1000	1625/WATER		1.034	L
29DE045SP	38	G01FC-1-AA	E4L140212-6 (2X)	1000	1625/WATER		1.056	L
29DE045SP	39	G1J3M-1-ADL	E4L150369-17LCS (2X)	1000	1625/WATER		1.000	L
29DE045SP	40						1.000	
29DE045SP	41						1.000	
29DE045SP	42						1.000	
29DE045SP	43						1.000	
29DE045SP	44						1.000	
29DE045SP	45						1.000	
29DE045SP	46		CP, AM 12-29-04				1.000	
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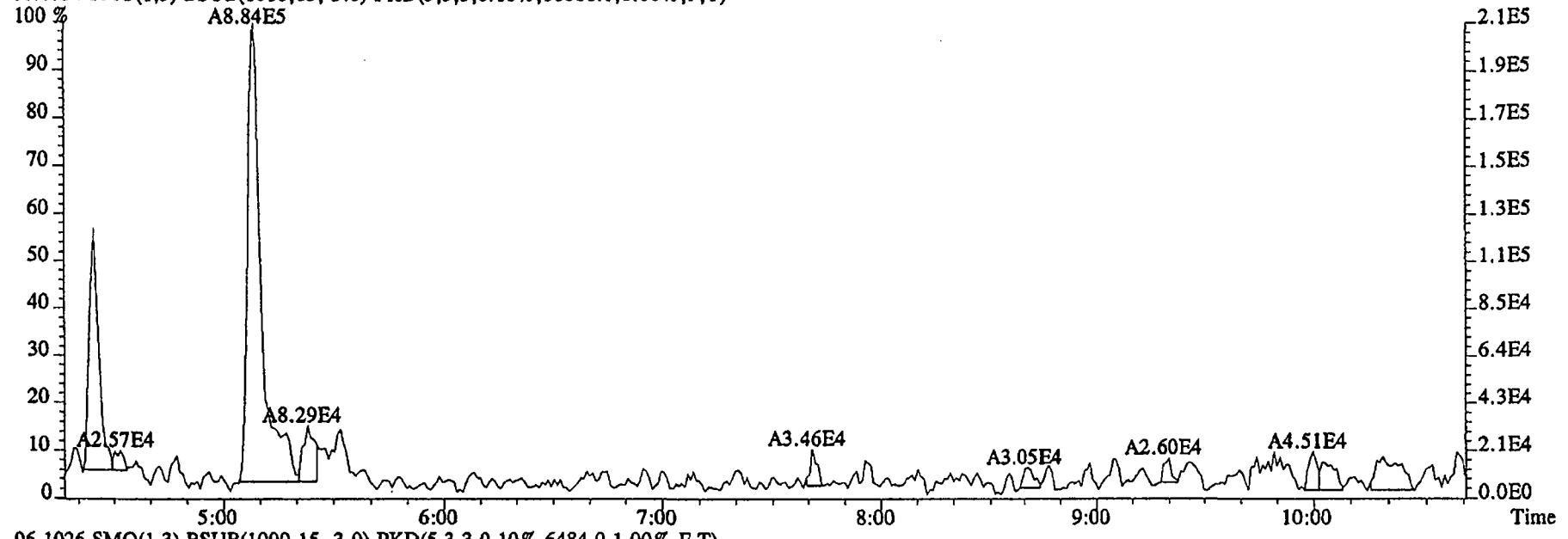
L C S H V C H E A C
 1 - 3 1 0

o / f

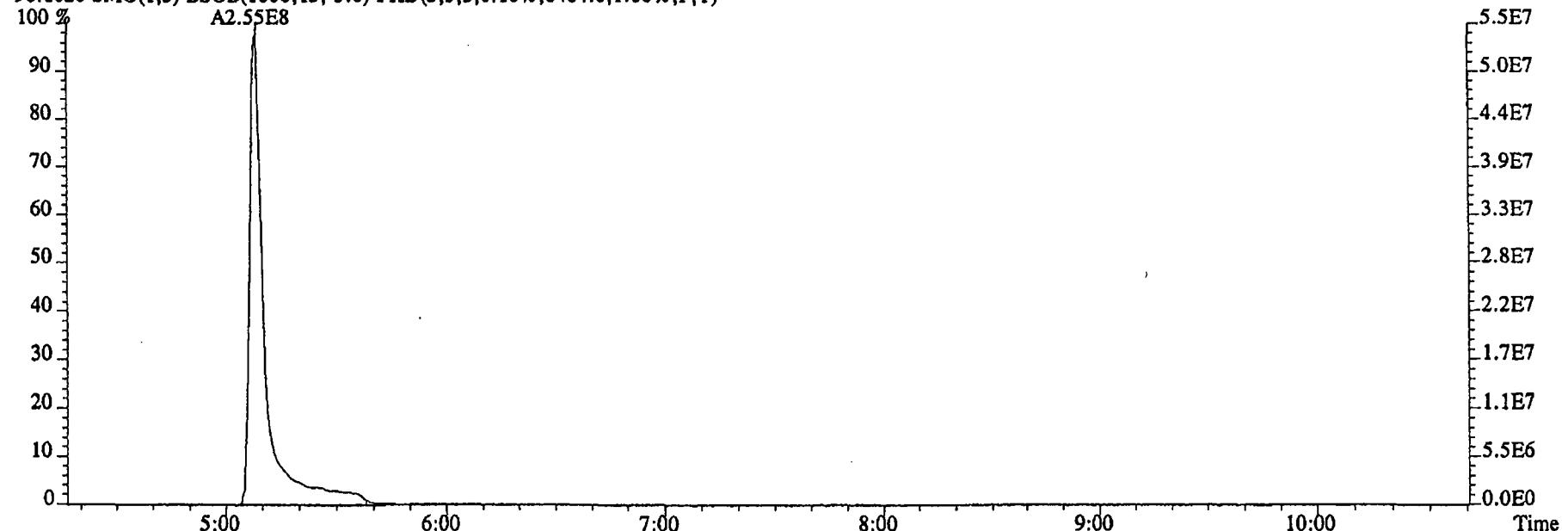
Peak Locate Examination: 29-DEC-2004:13:29 File: 29DE045SP
Experiment: NDMAVOA Function:1 Reference: PFK



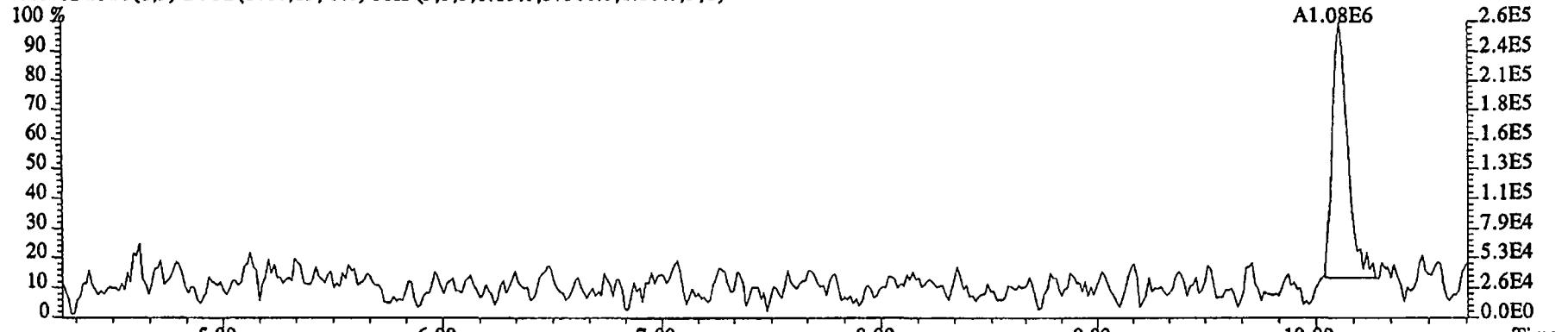
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
88.0524 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10068.0,1.00%,F,T)



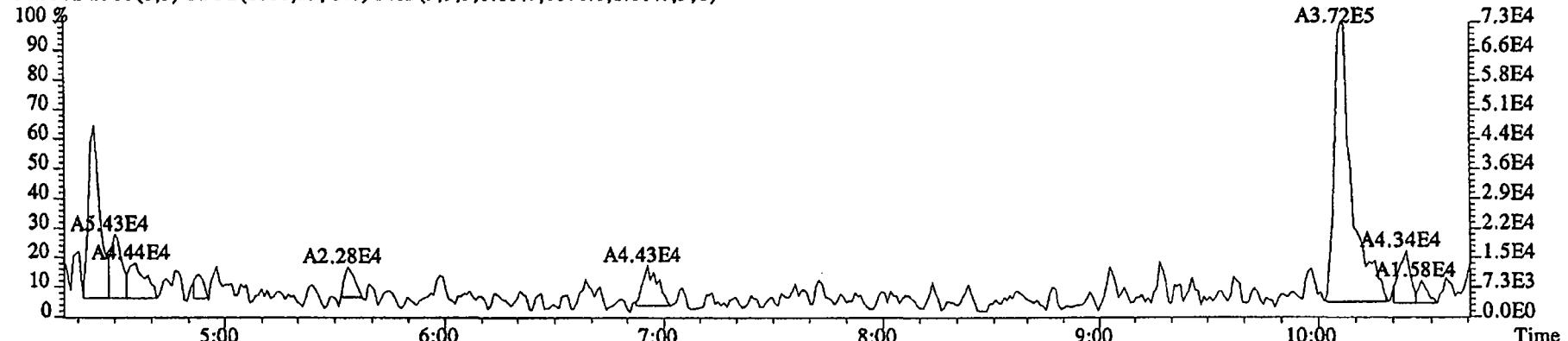
96.1026 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)



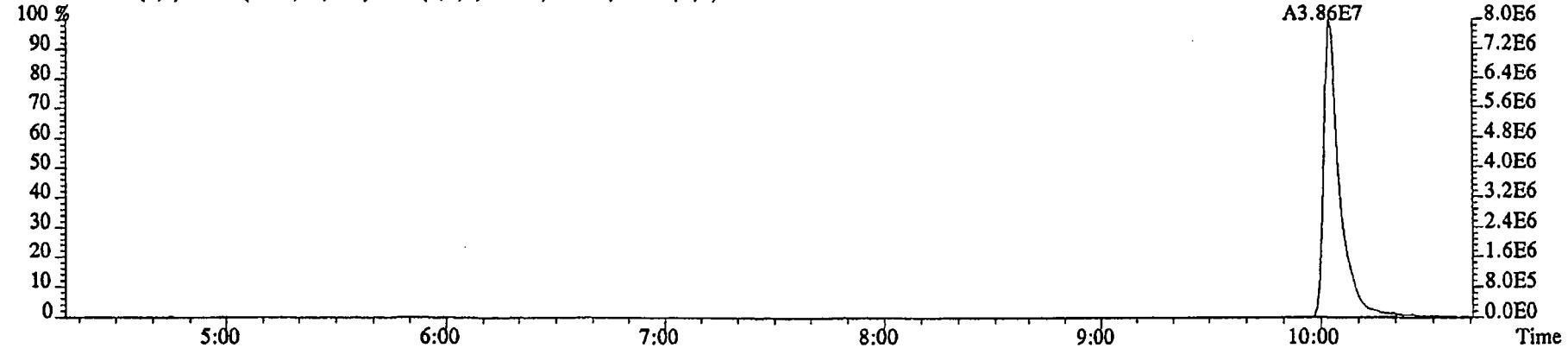
File:29DE04SSP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
 Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
 75.0002 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37308.0,1.00%,F,T)



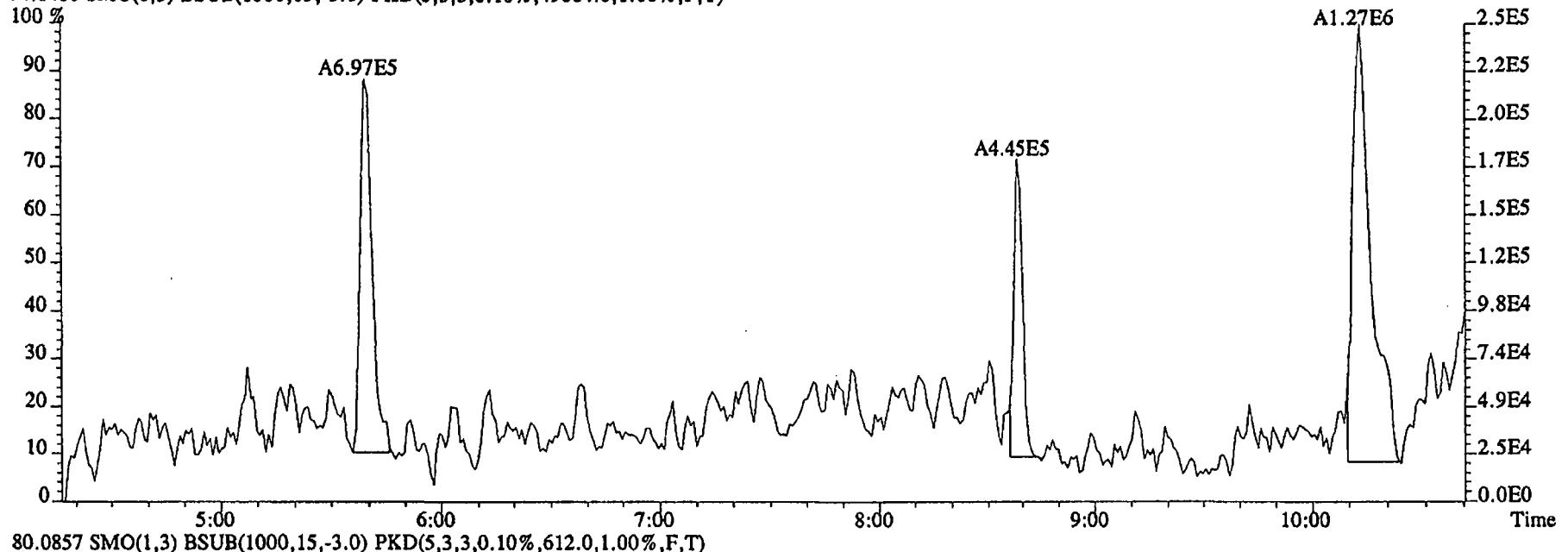
76.9972 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6076.0,1.00%,F,T)



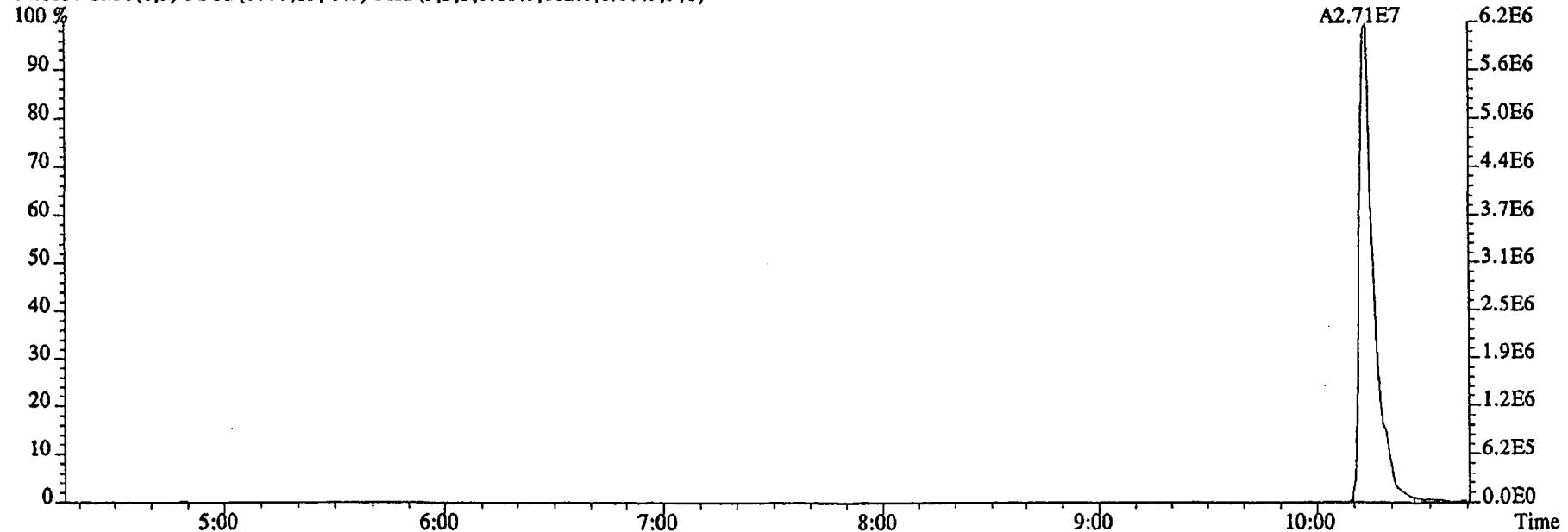
79.0253 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5440.0,1.00%,F,T)



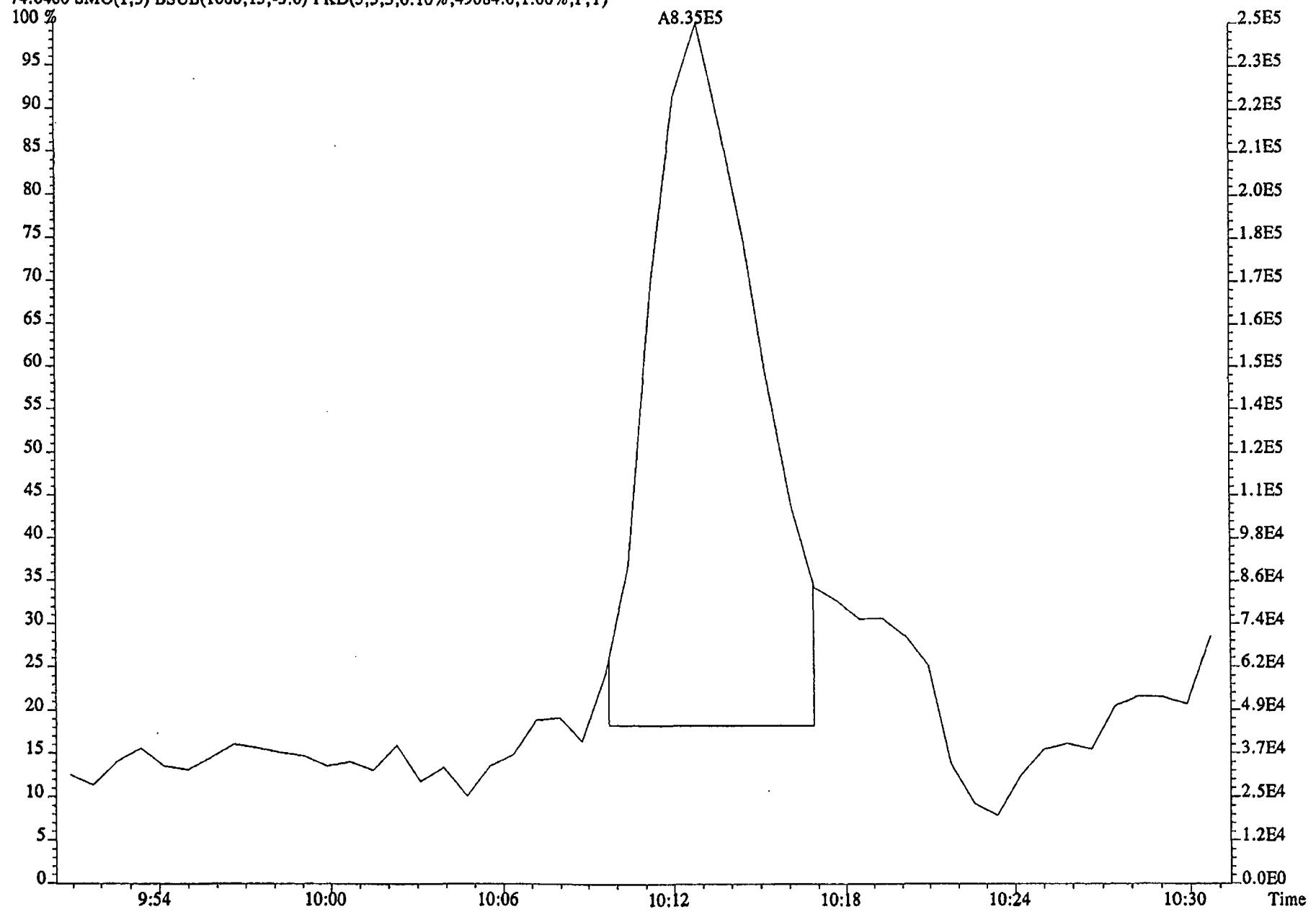
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49084.0,1.00%,F,T)



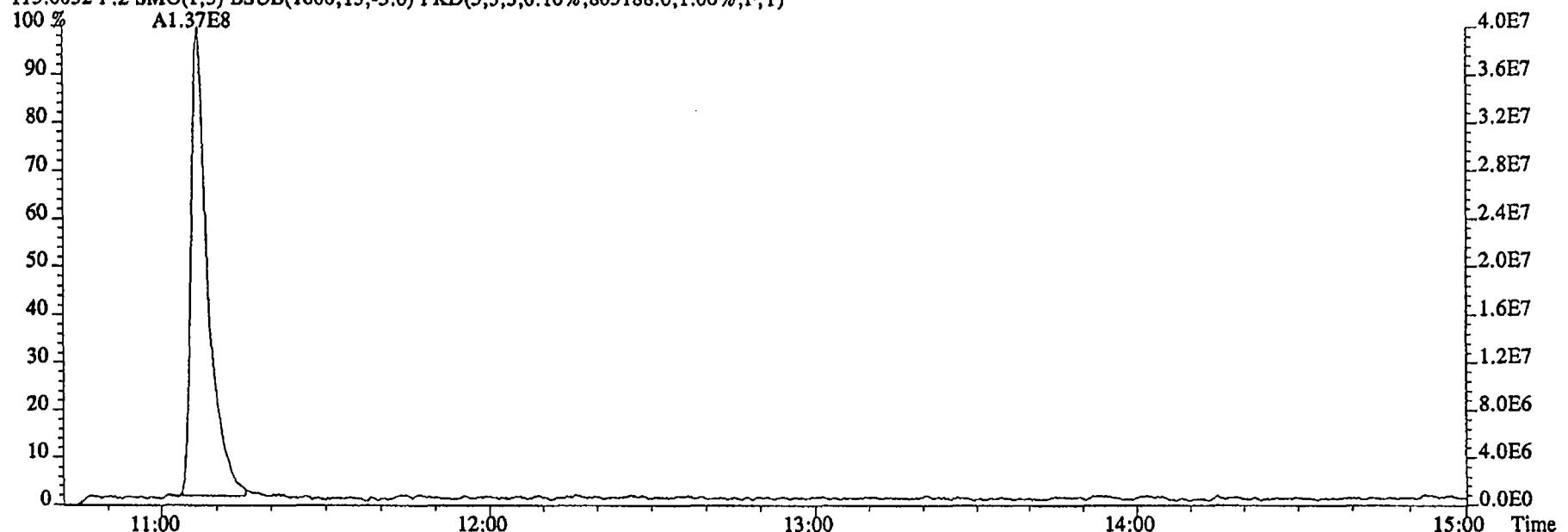
80.0857 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



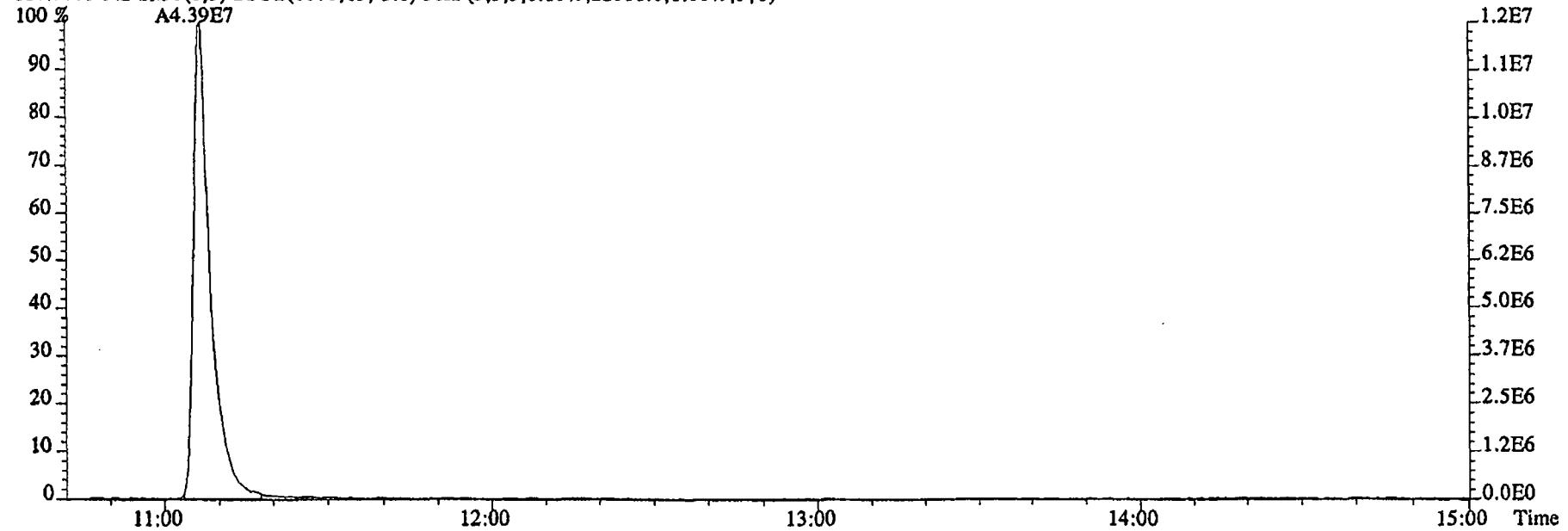
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49084.0,1.00%,F,T)



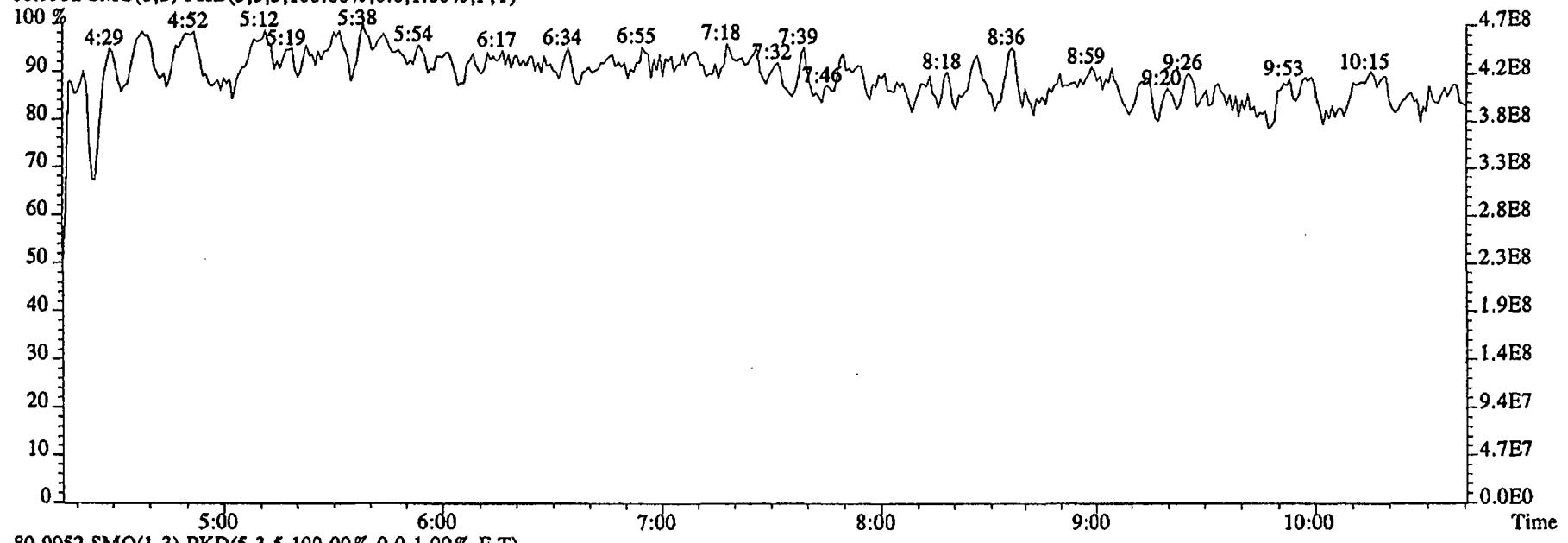
File:29DE04SSP #1-602 Acq:29-DEC-2004 13:31:25 GC EI + Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
113.0032 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,805188.0,1.00%,F,T)



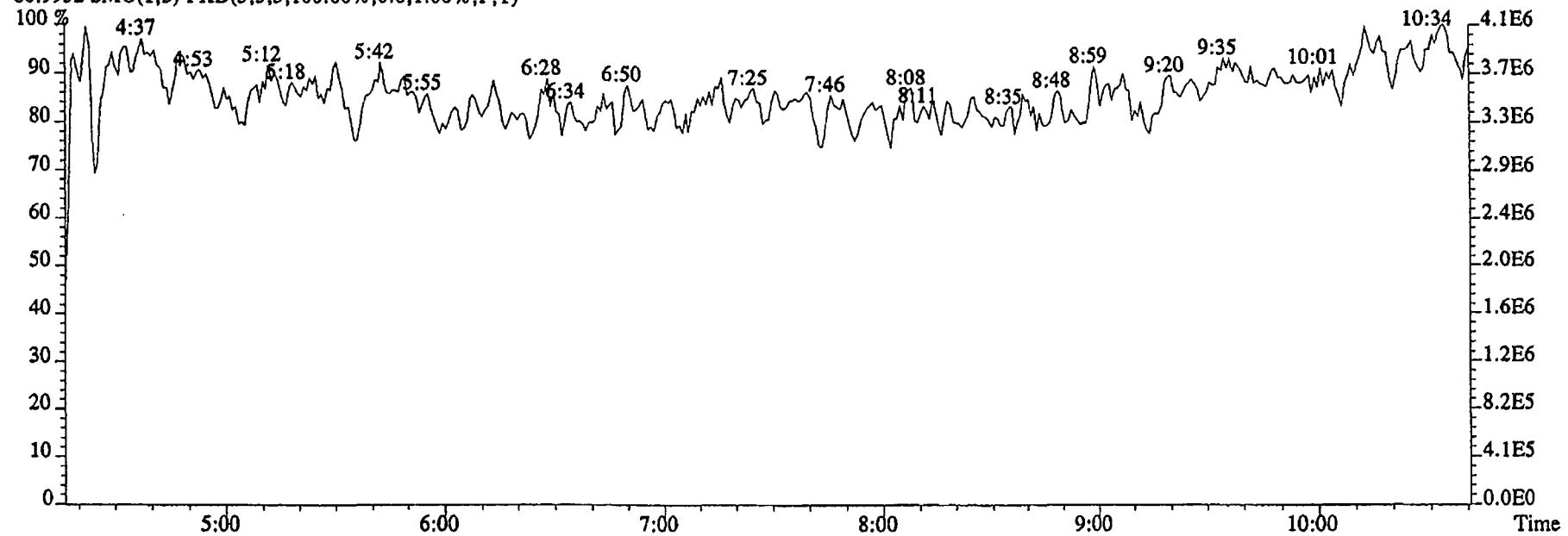
115.0003 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22088.0,1.00%,F,T)



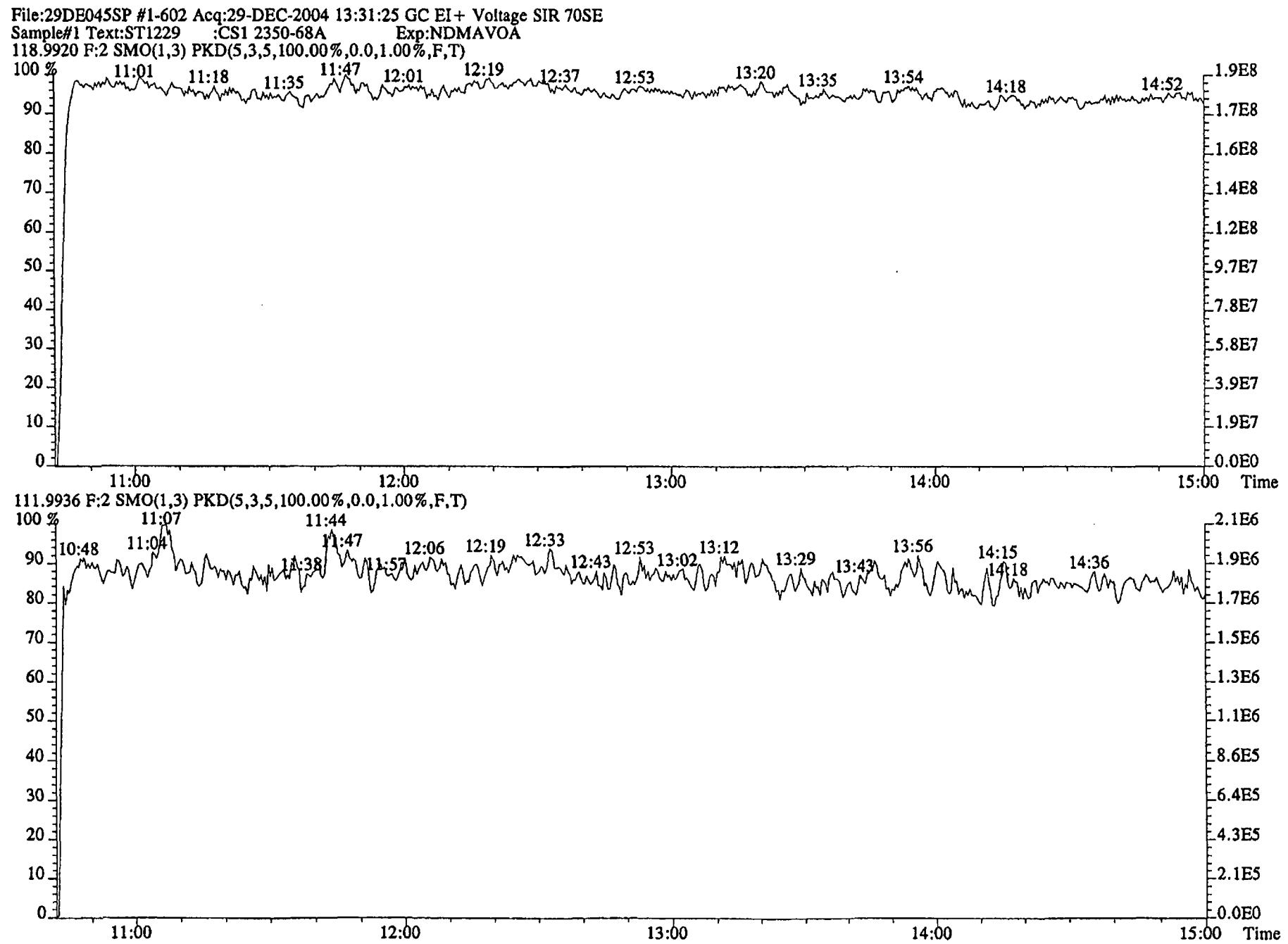
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
68.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



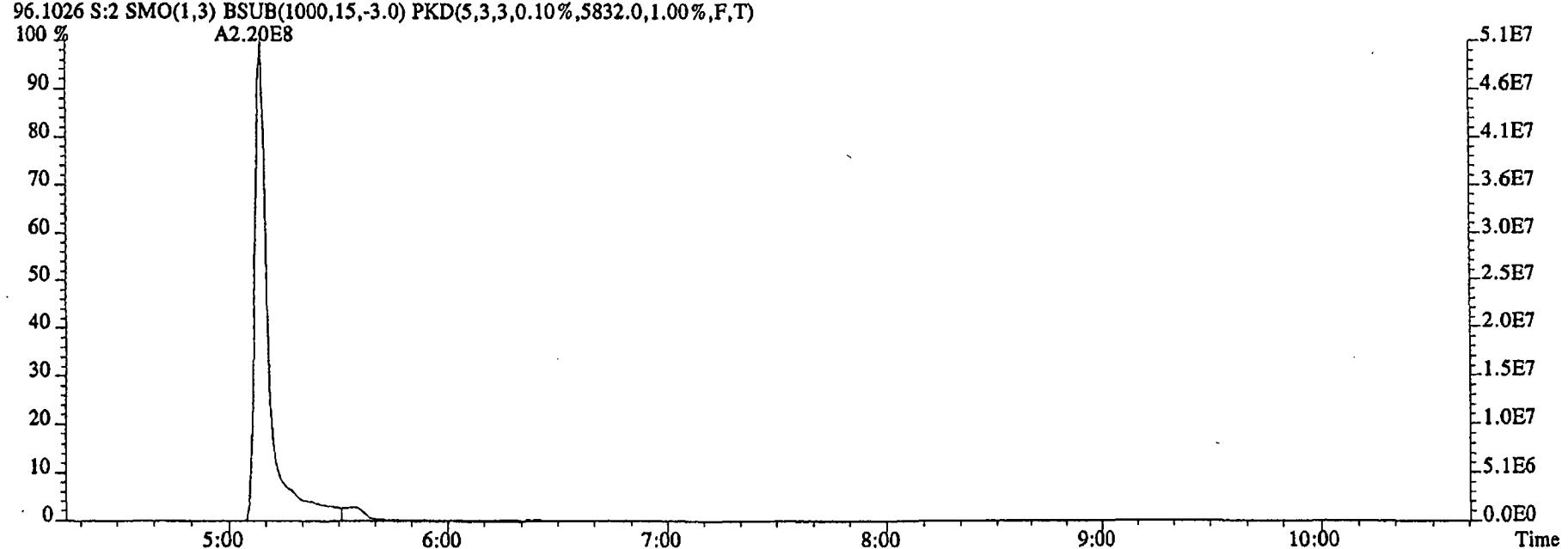
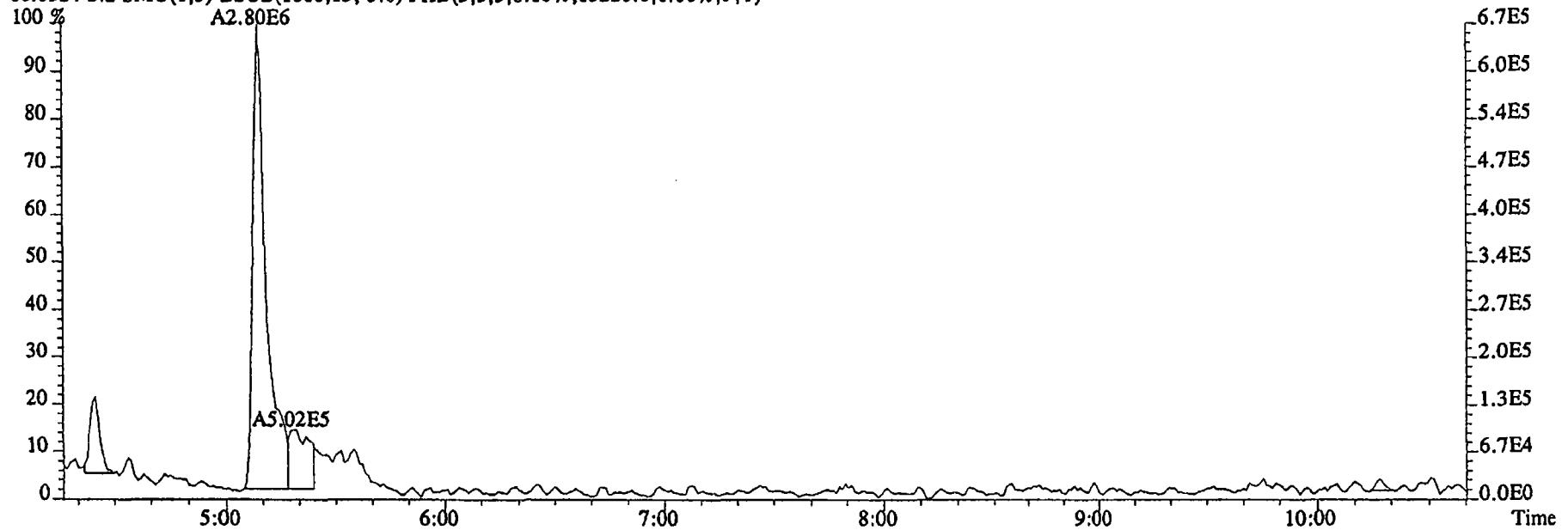
80.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



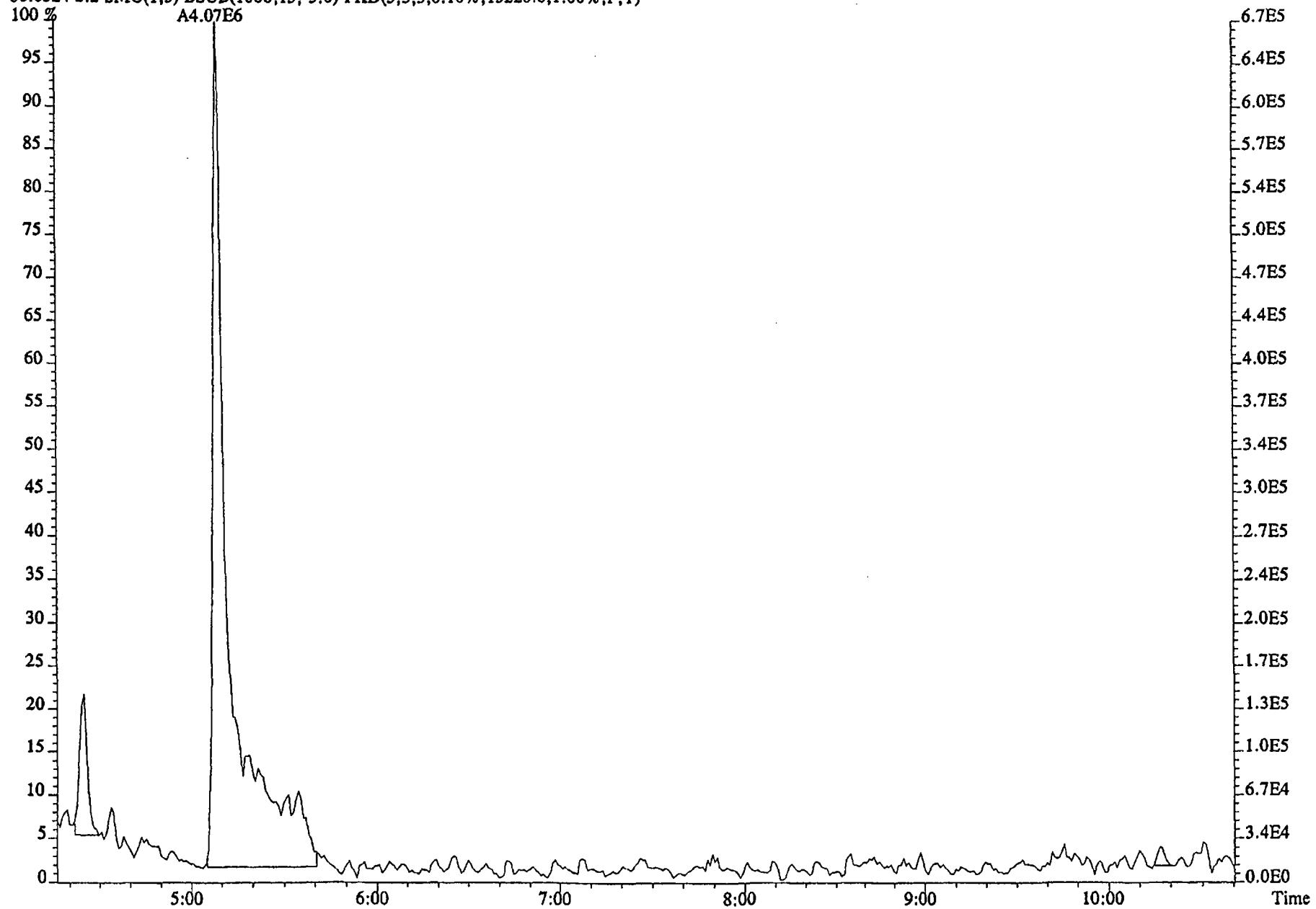
197 of 251



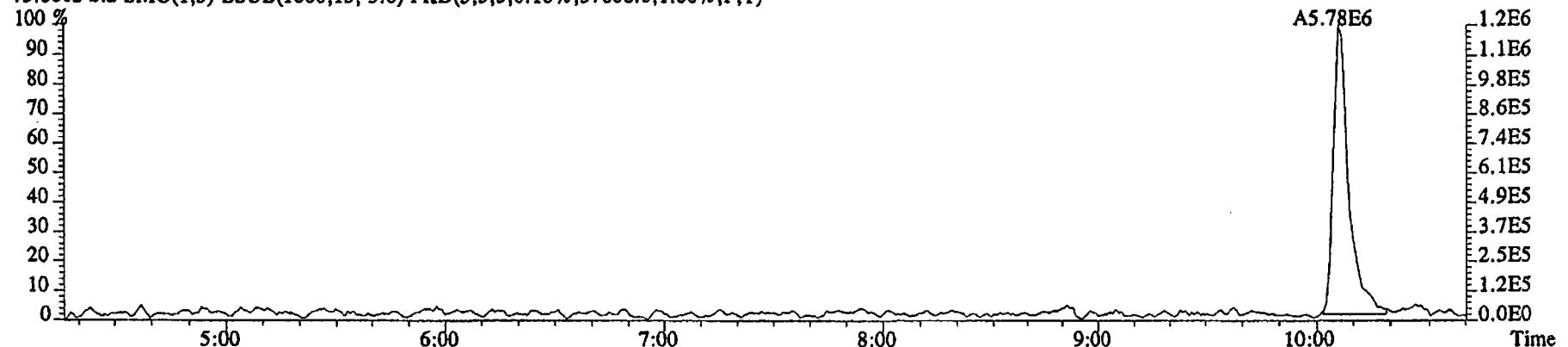
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15220.0,1.00%,F,T)



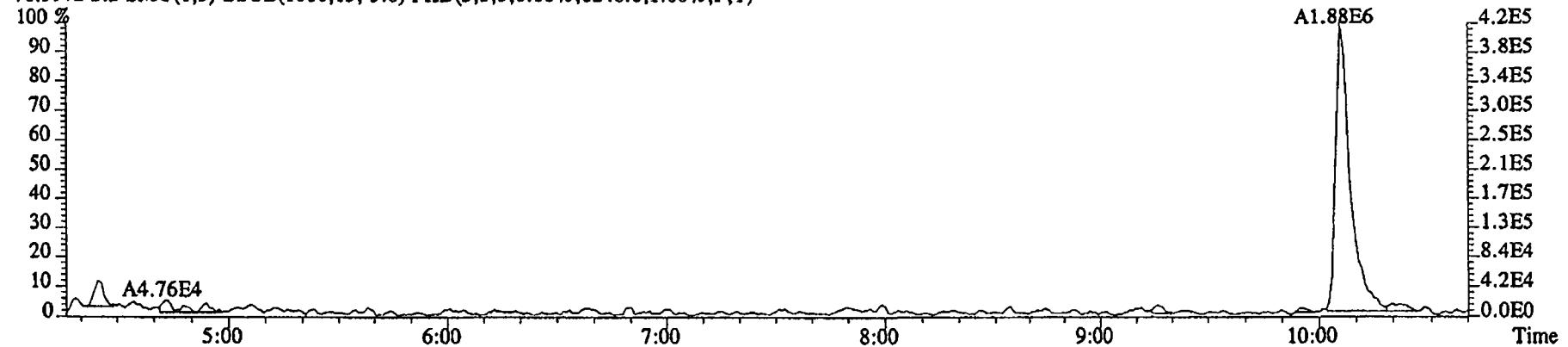
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Exp:NDMAVOA
88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15220.0,1.00%,F,T)



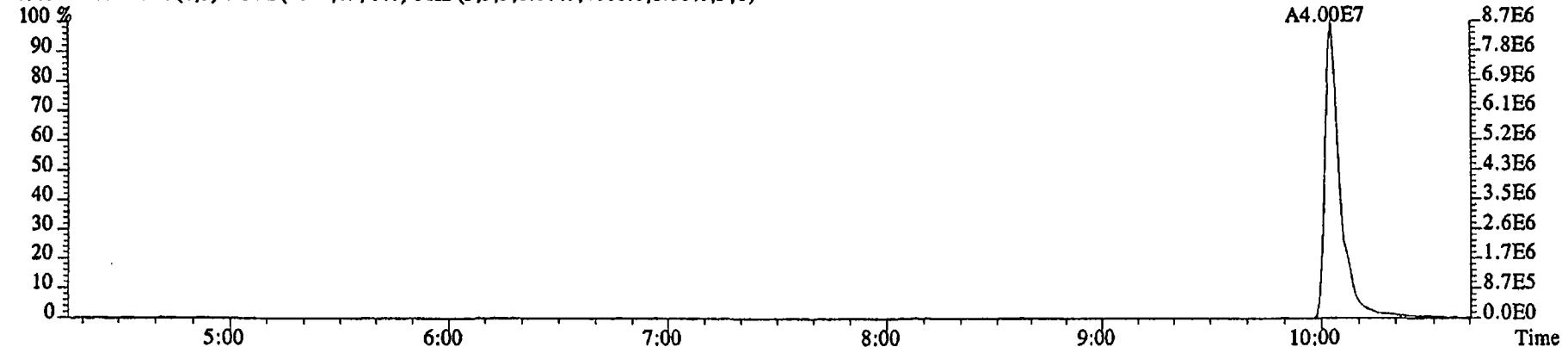
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
 75.0002 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37808.0,1.00%,F,T)



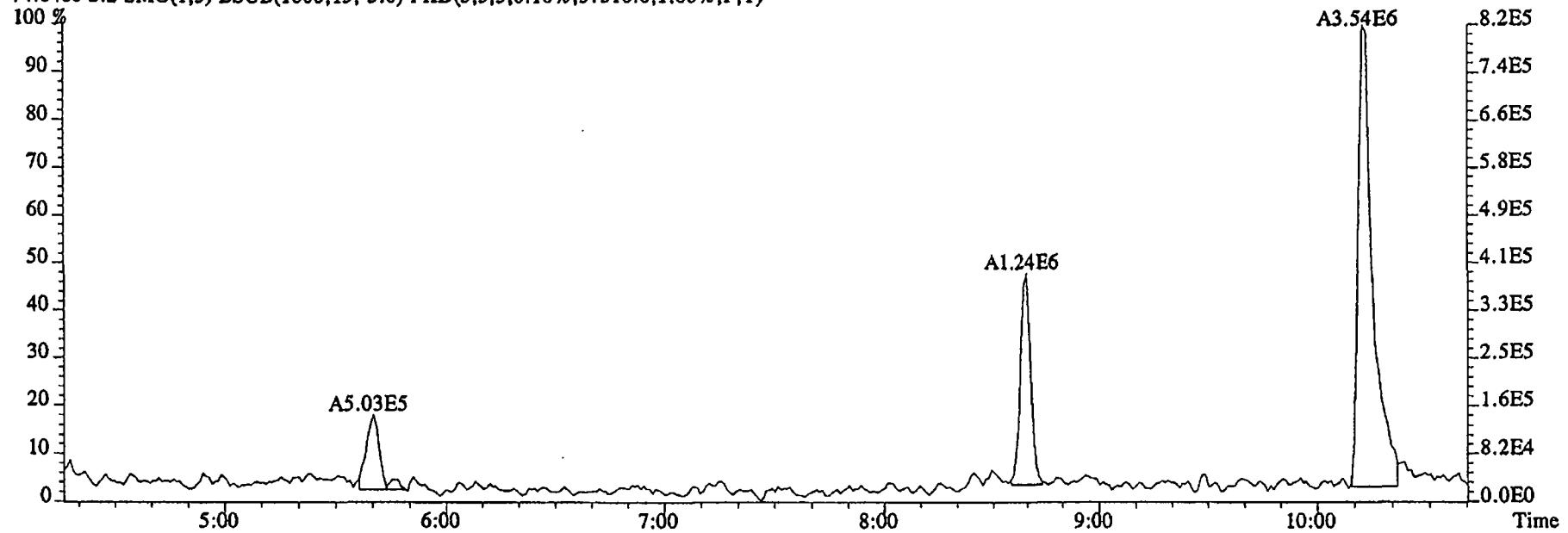
76.9972 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8248.0,1.00%,F,T)



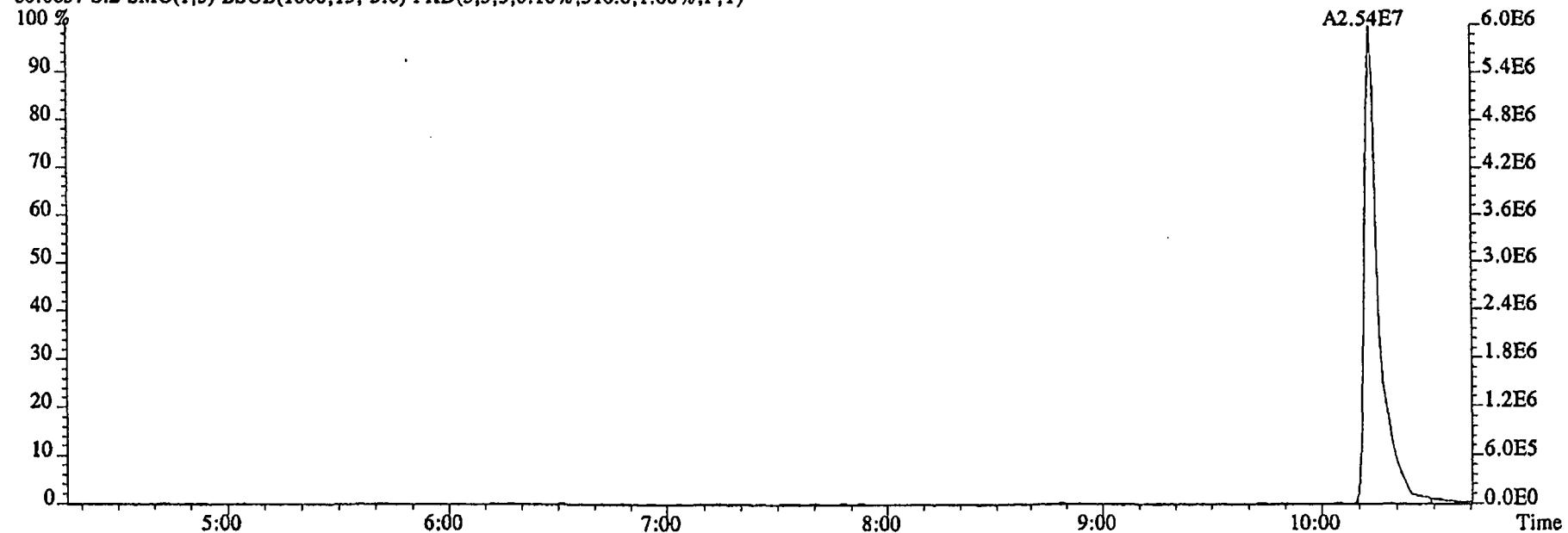
79.0253 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4668.0,1.00%,F,T)



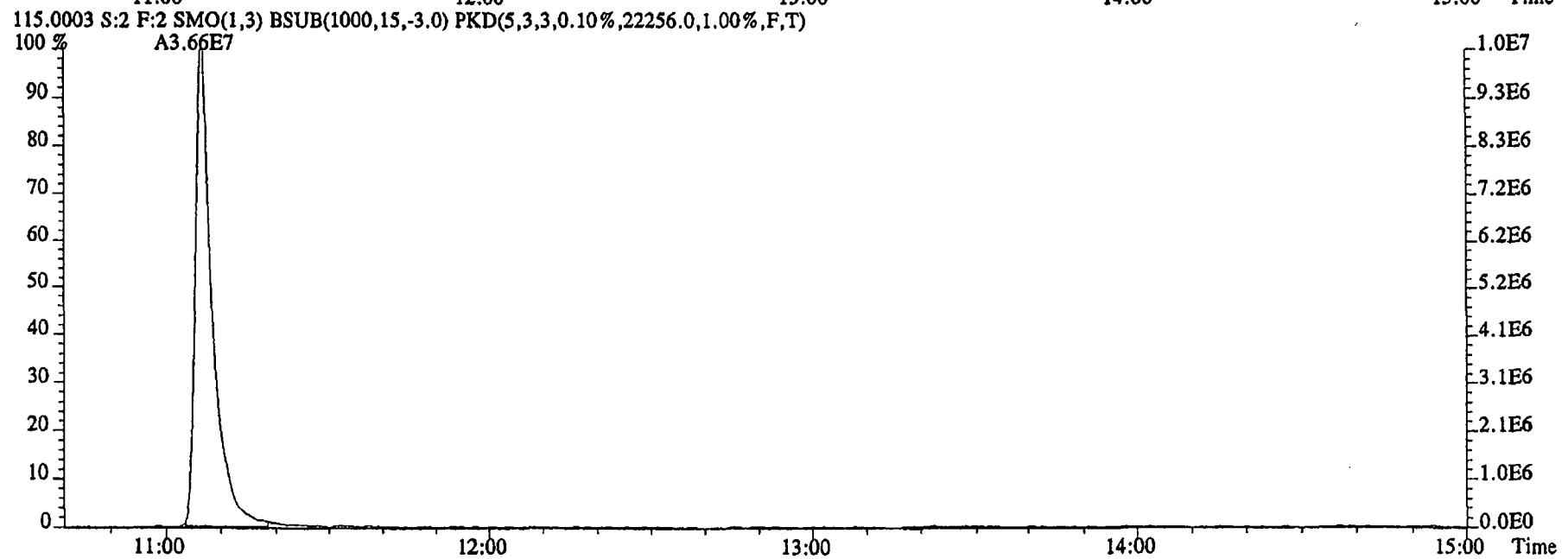
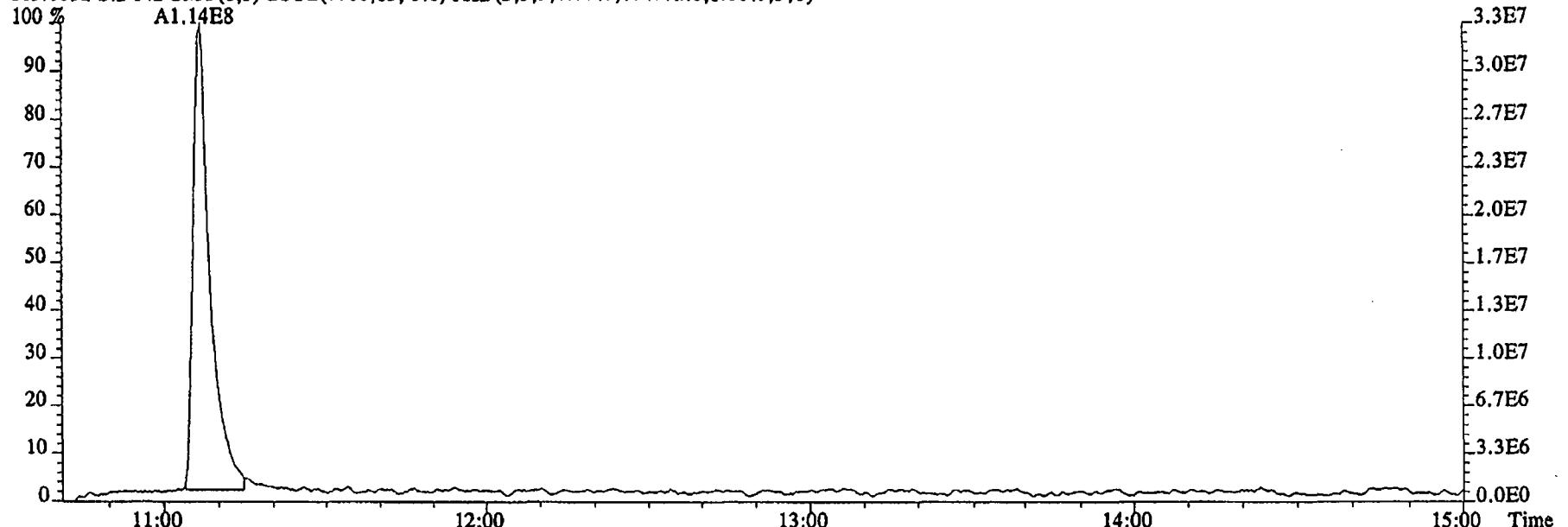
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
74.0480 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37516.0,1.00%,F,T)



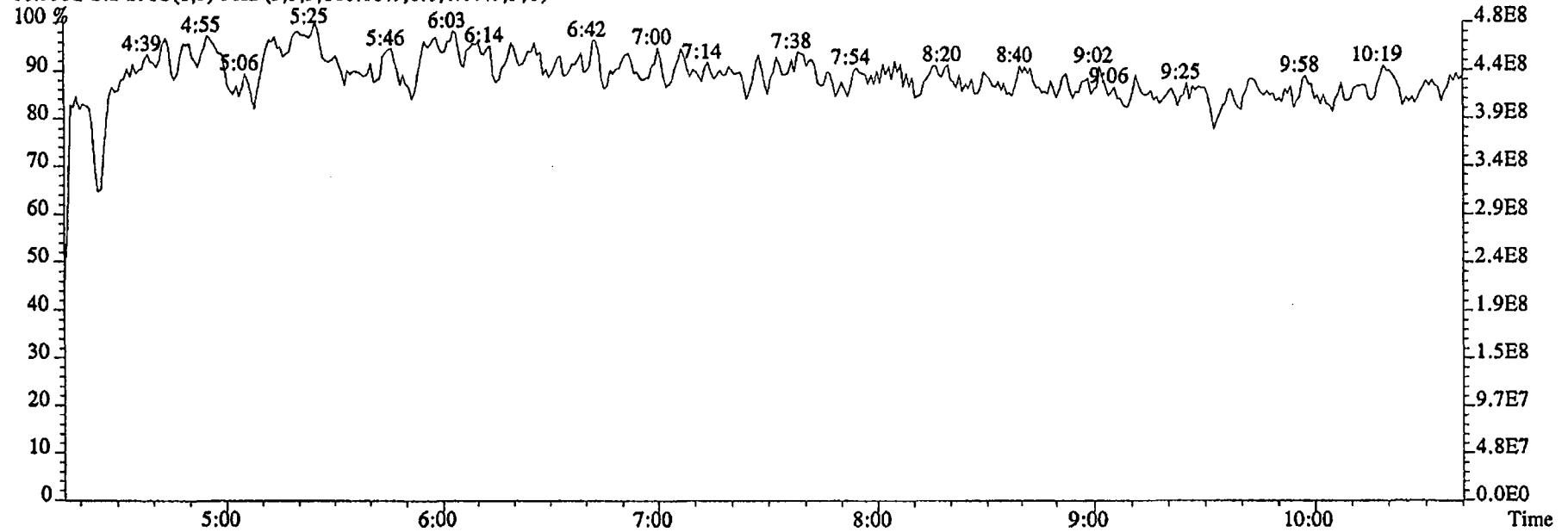
80.0857 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,516.0,1.00%,F,T)



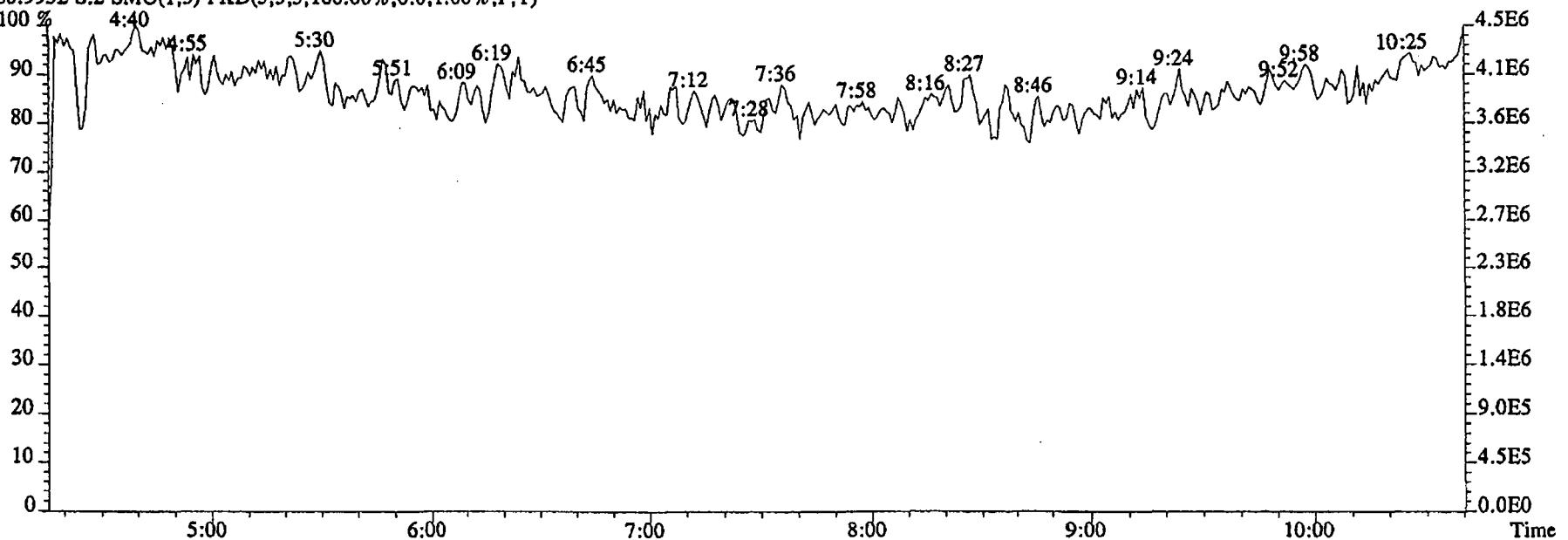
File:29DE045SP #1-603 Acq:29-DEC-2004 13:51:41 GC EI + Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
113.0032 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,874672.0,1.00%,F,T)



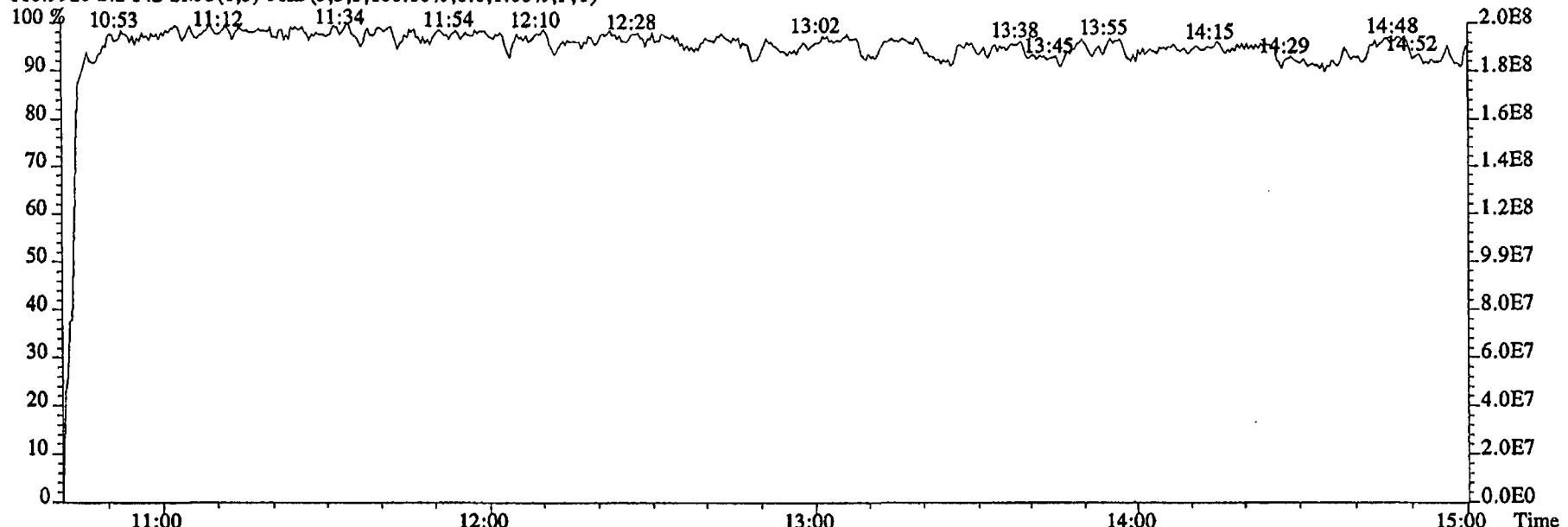
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
68.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



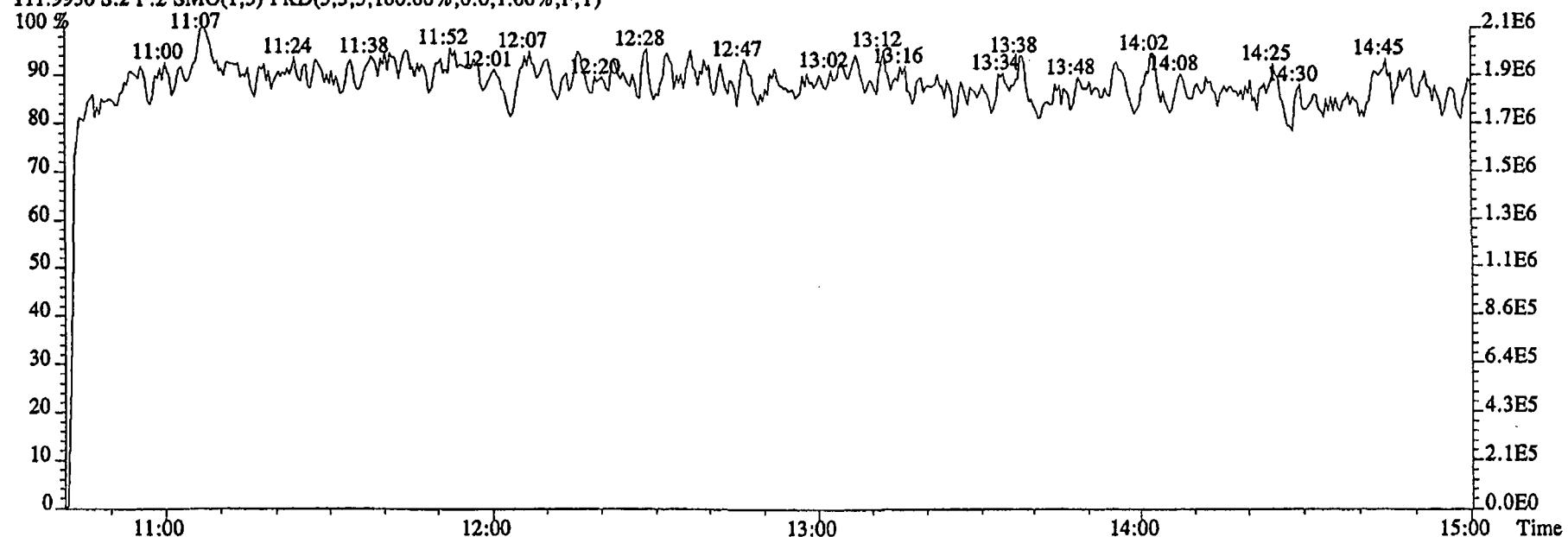
80.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



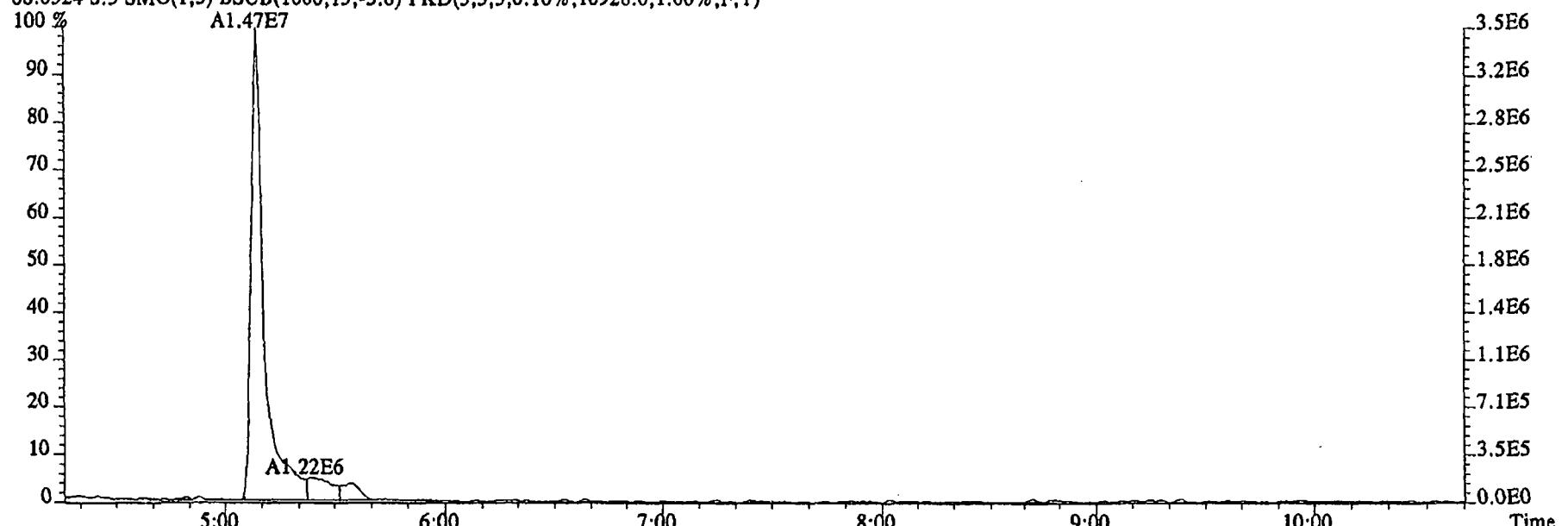
File:29DE045SP #1-603 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
 Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
 118.9920 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



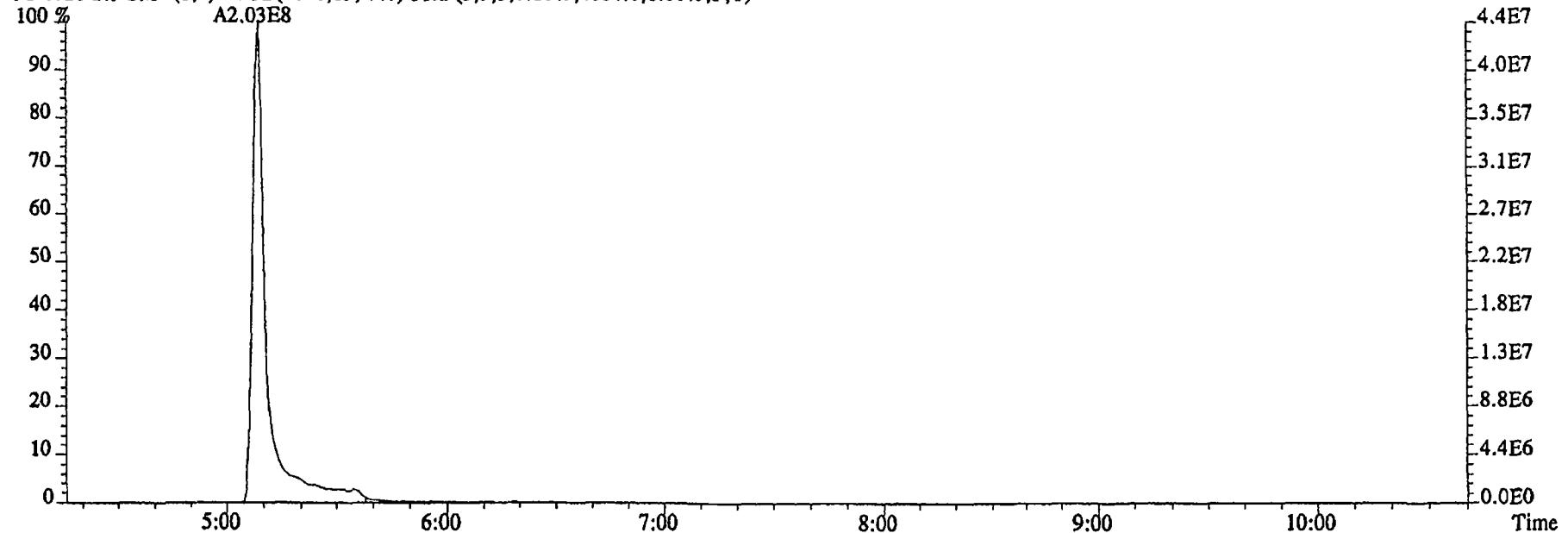
111.9936 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



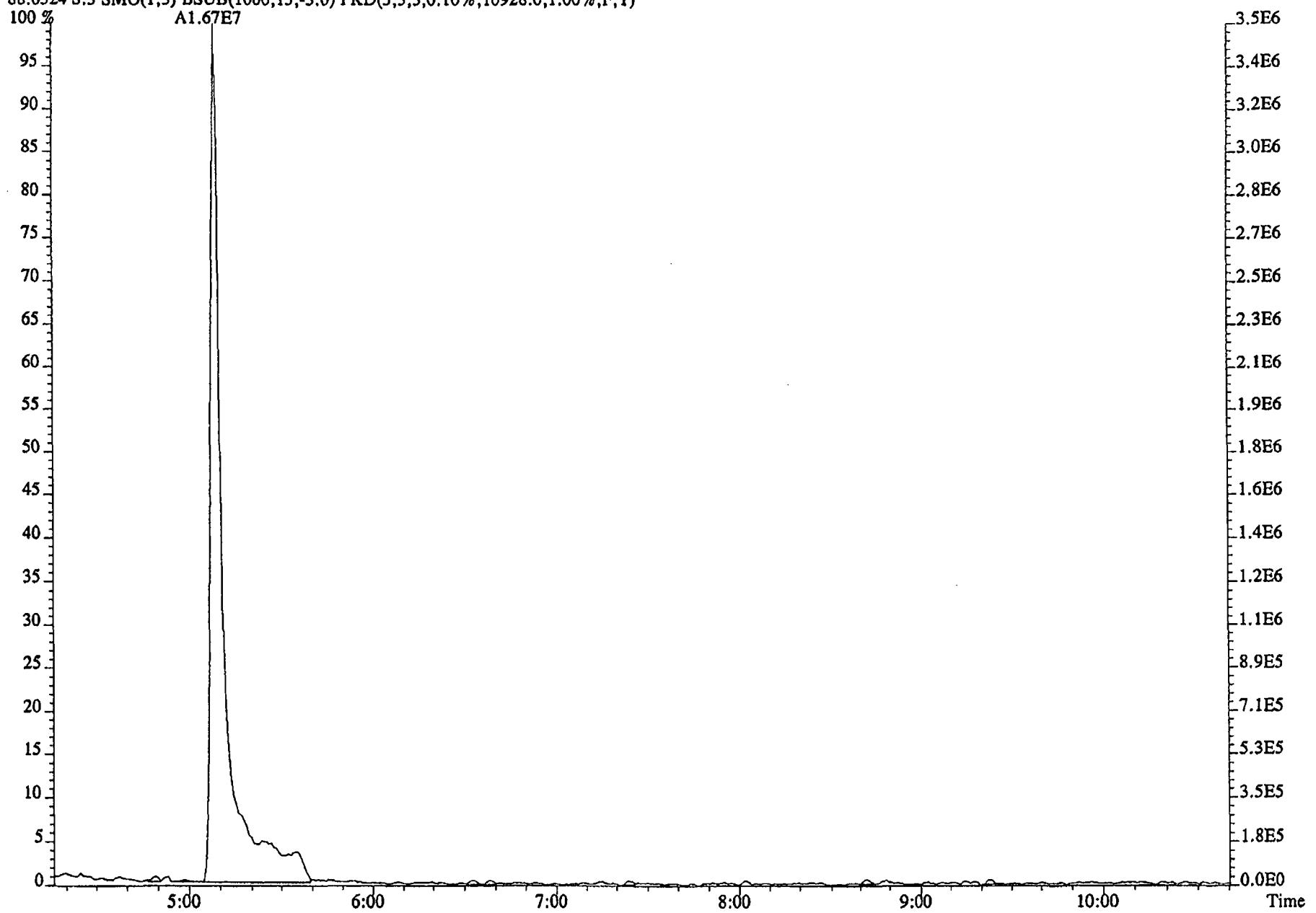
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928.0,1.00%,F,T)



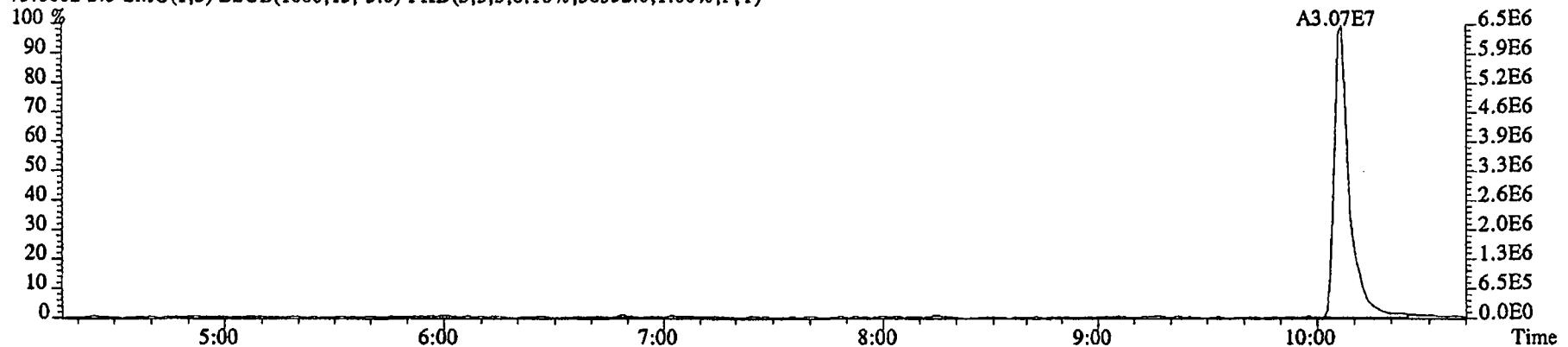
96.1026 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4064.0,1.00%,F,T)



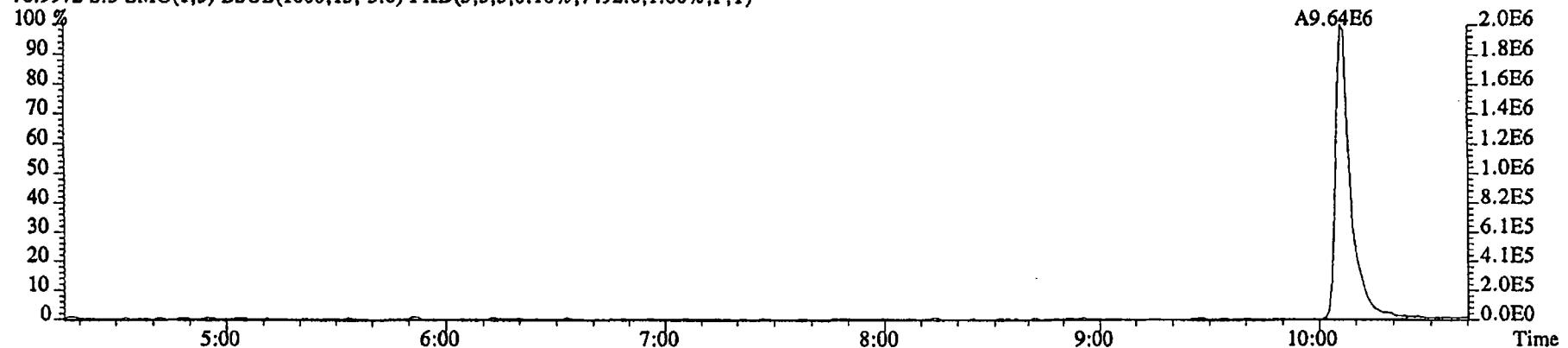
File:29DE04SSP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928.0,1.00%,F,T)



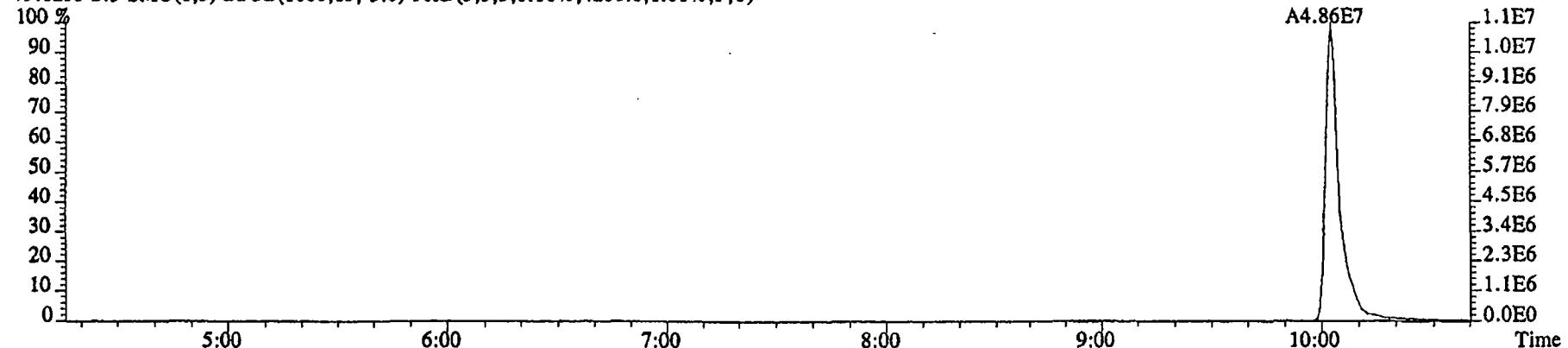
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
75.0002 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36352.0,1.00%,F,T)



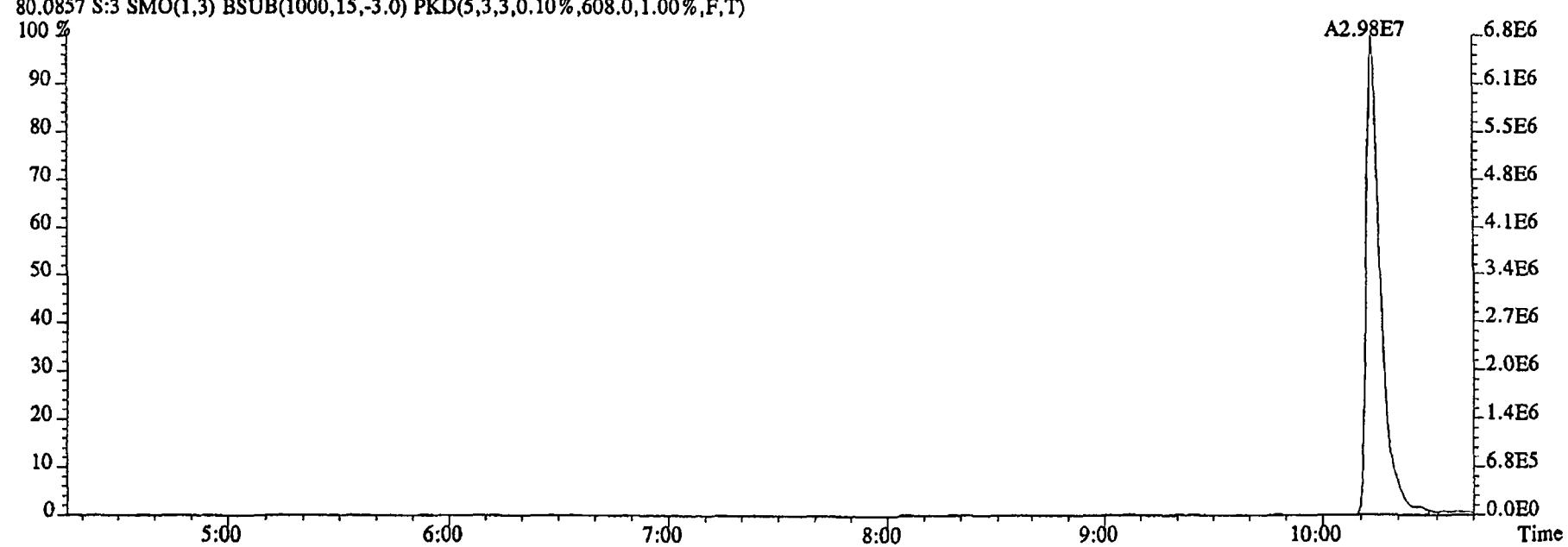
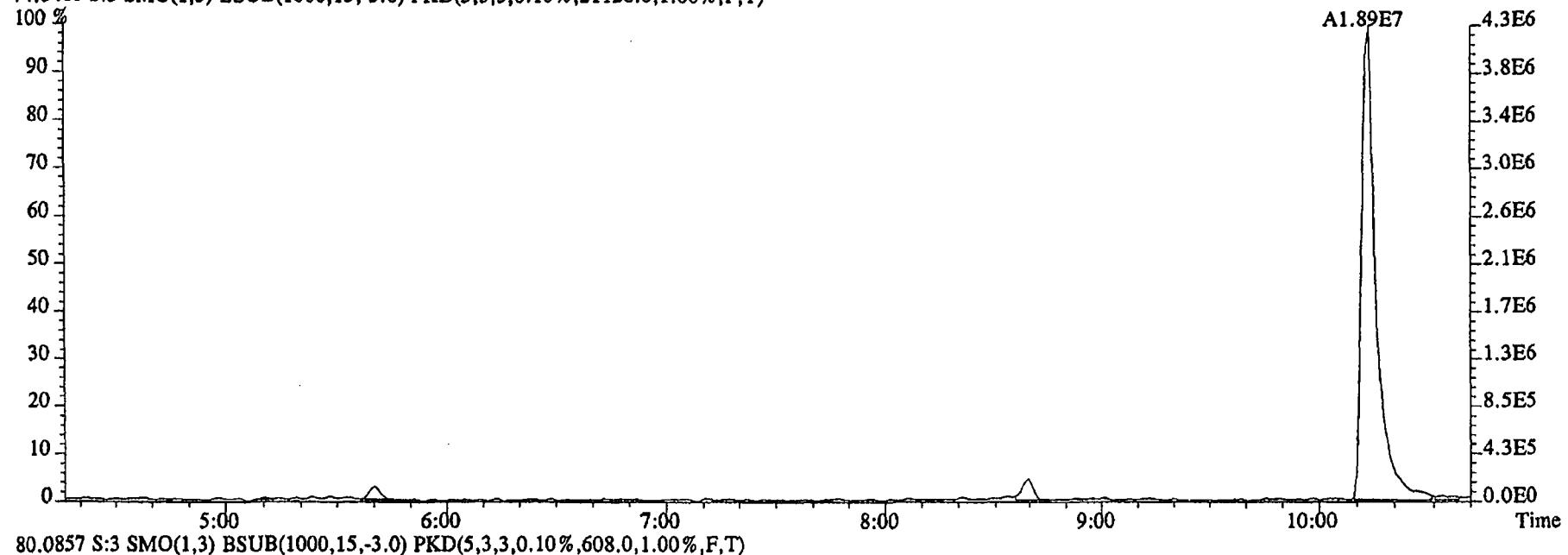
76.9972 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)



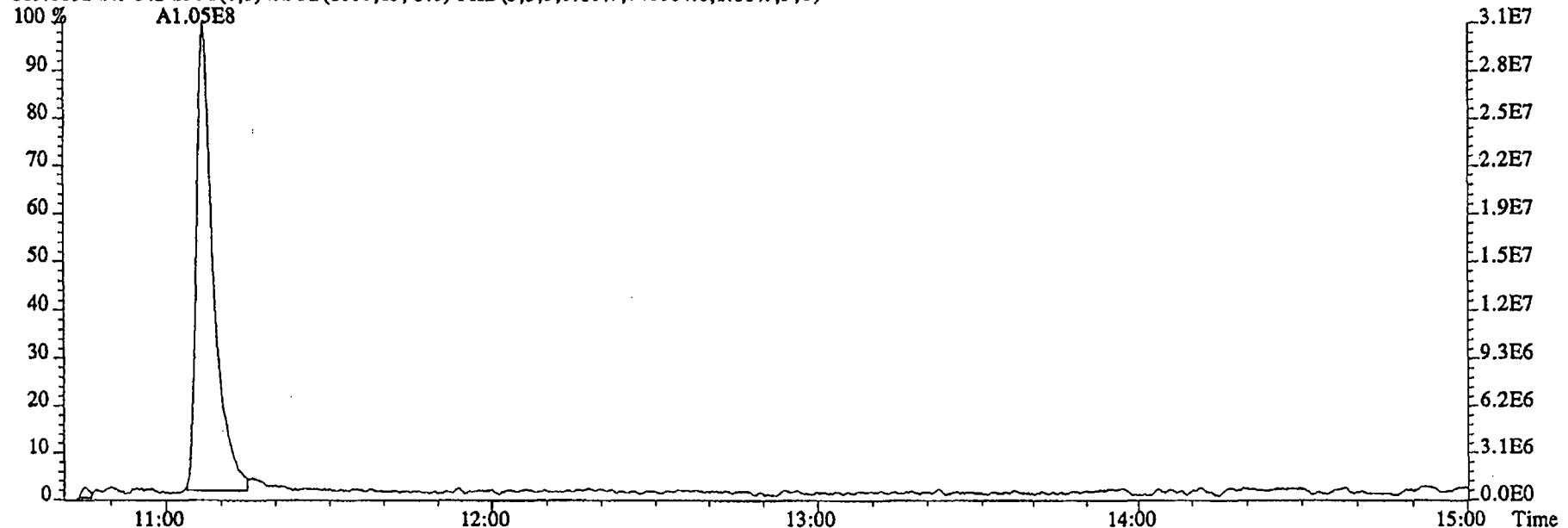
79.0253 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)



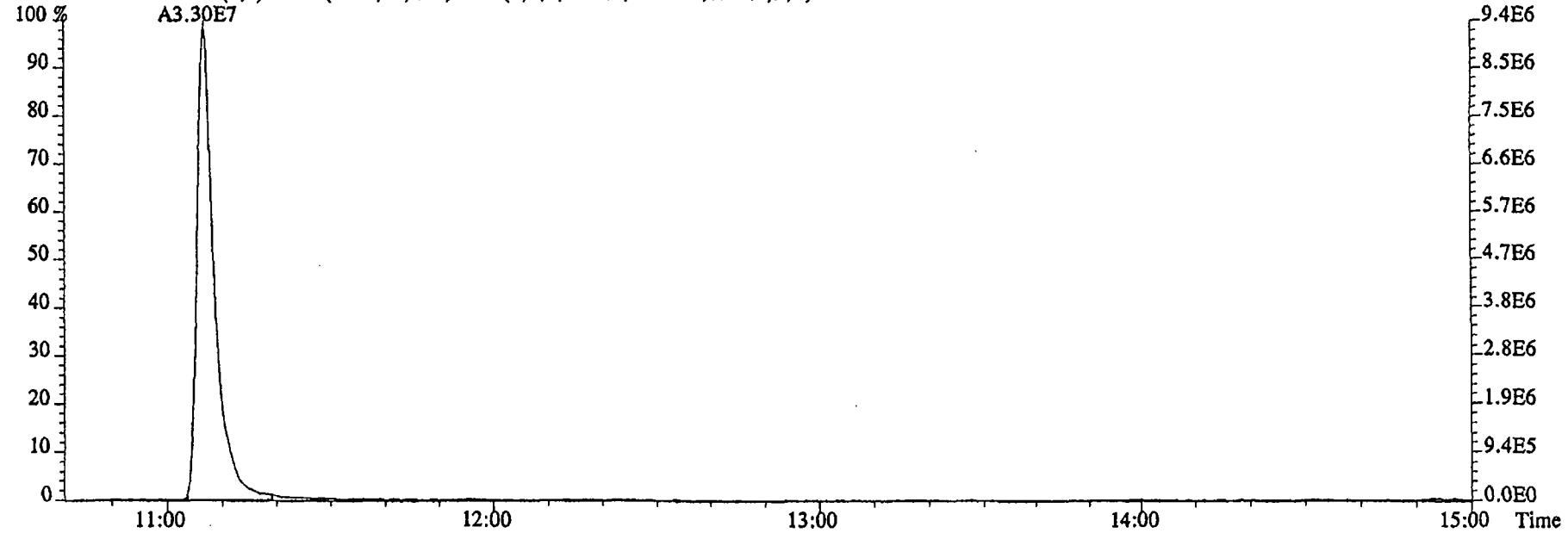
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
74.0480 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21128.0,1.00%,F,T)



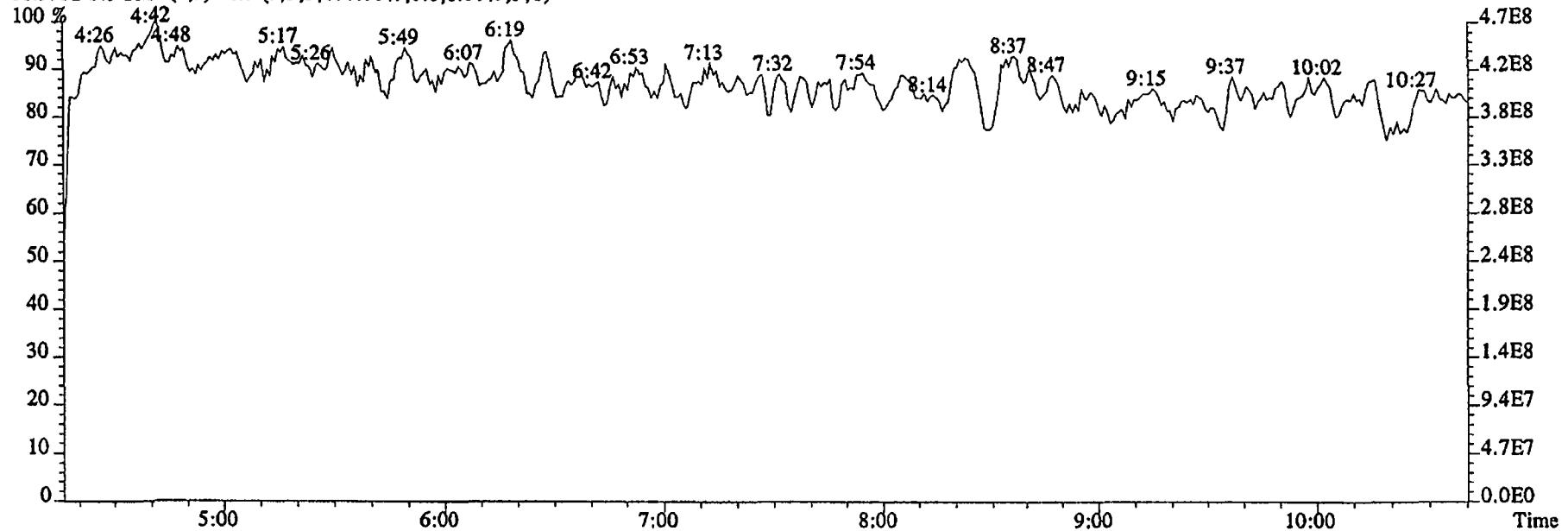
File:29DE045SP #1-603 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
113.0032 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,740084.0,1.00%,F,T)



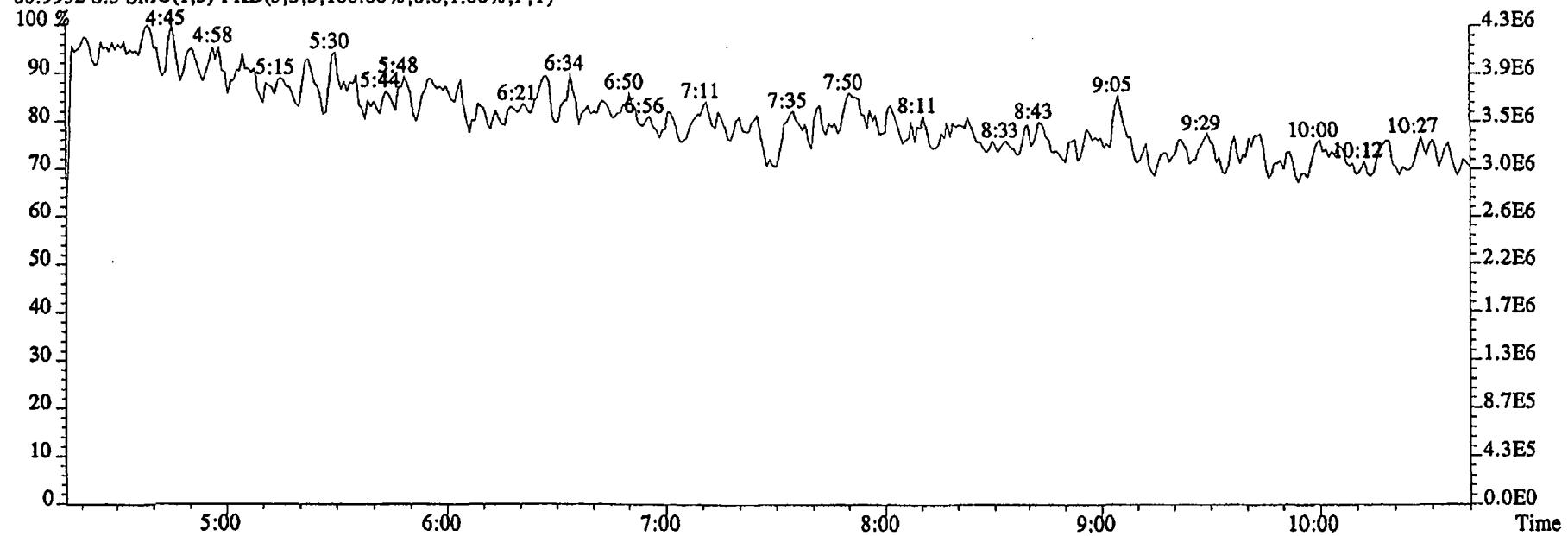
115.0003 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16632.0,1.00%,F,T)



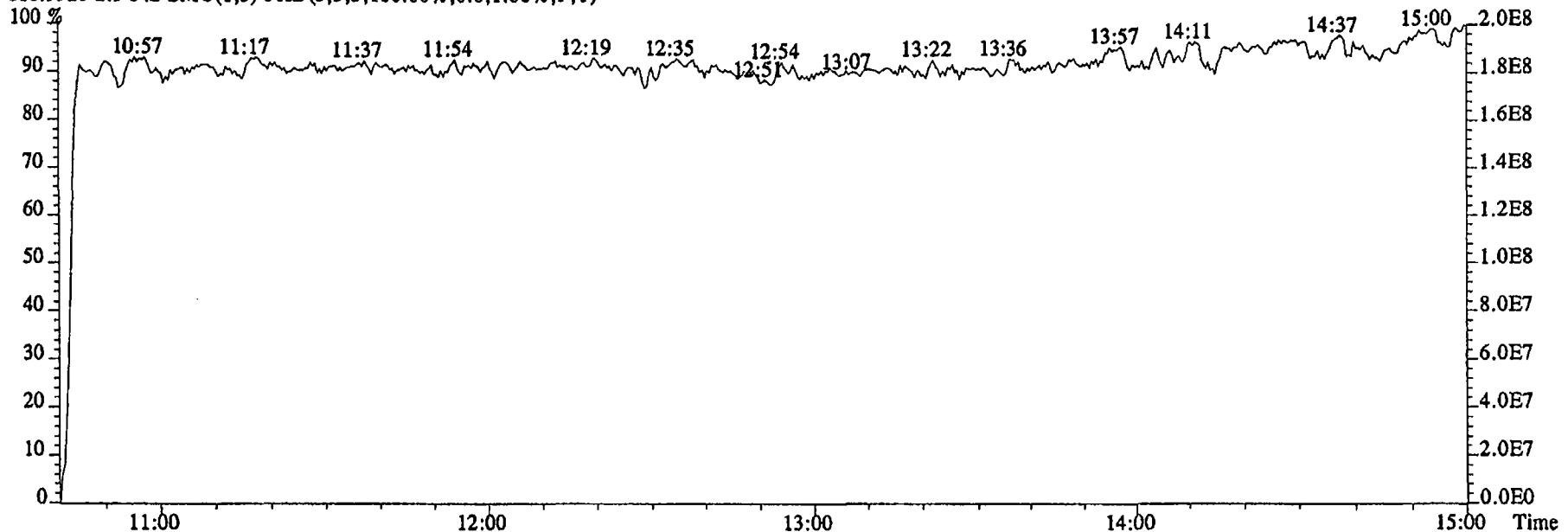
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
68.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



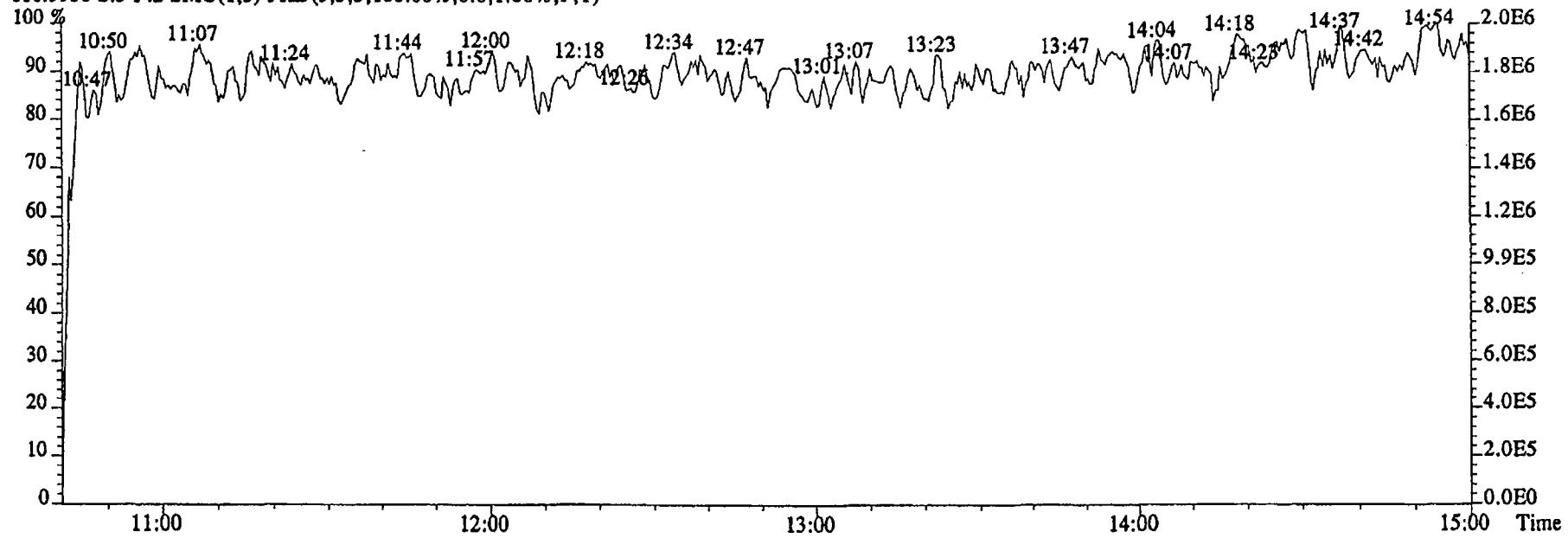
80.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



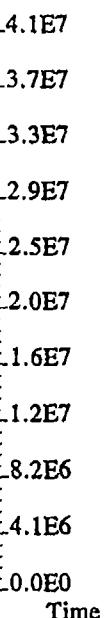
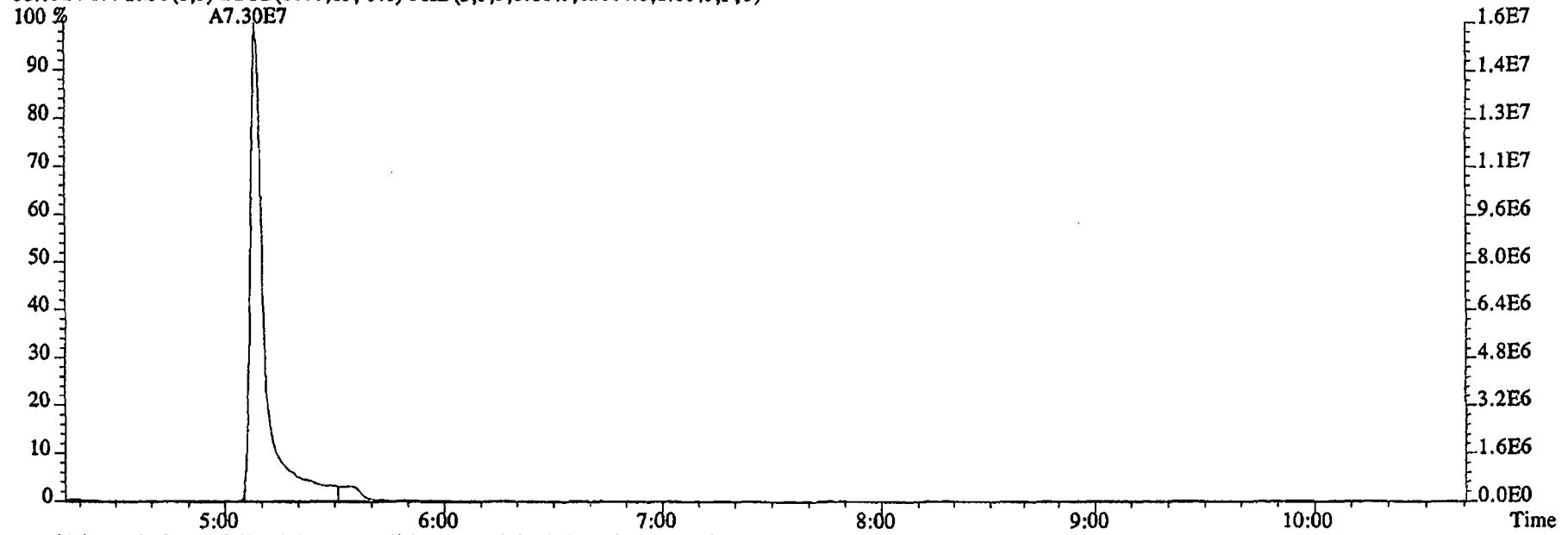
File:29DE045SP #1-603 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
118.9920 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



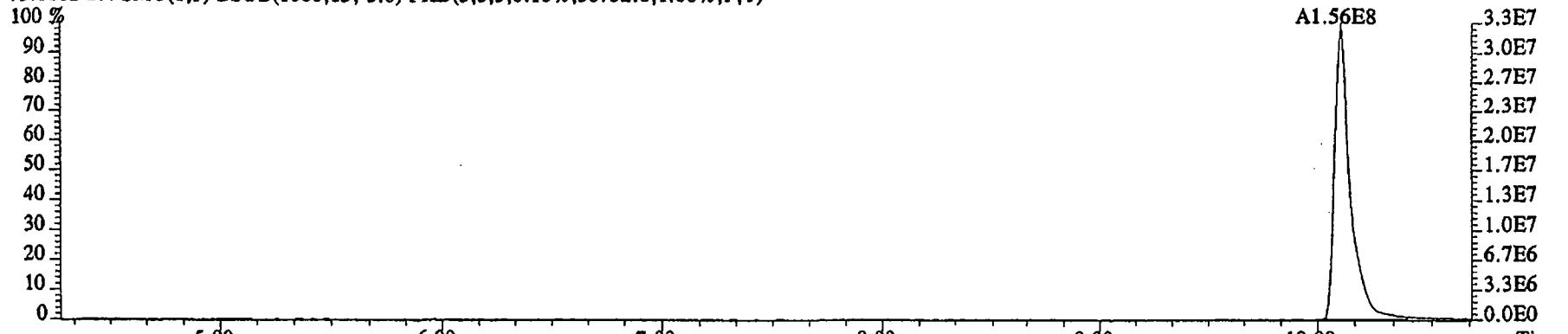
111.9936 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



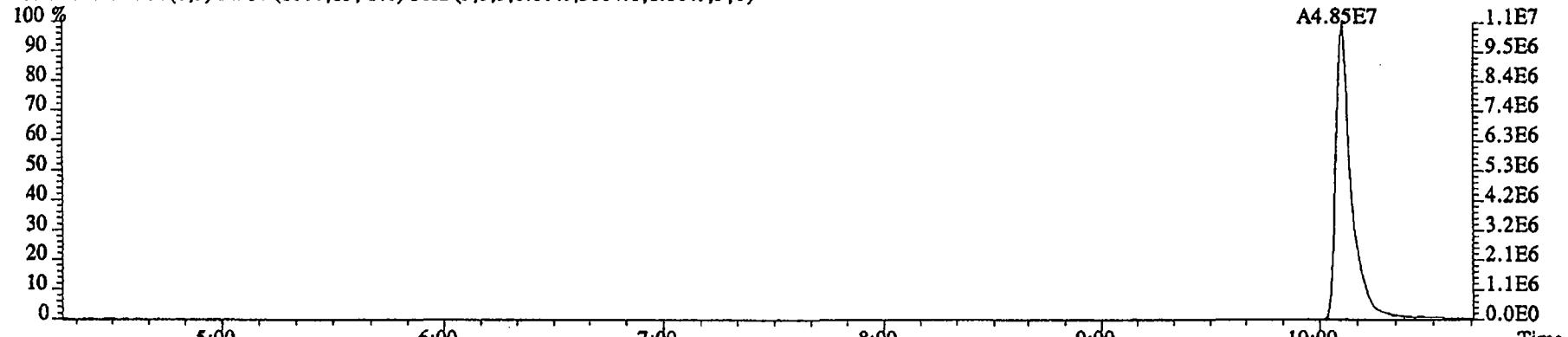
File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
88.0524 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12884.0,1.00%,F,T)



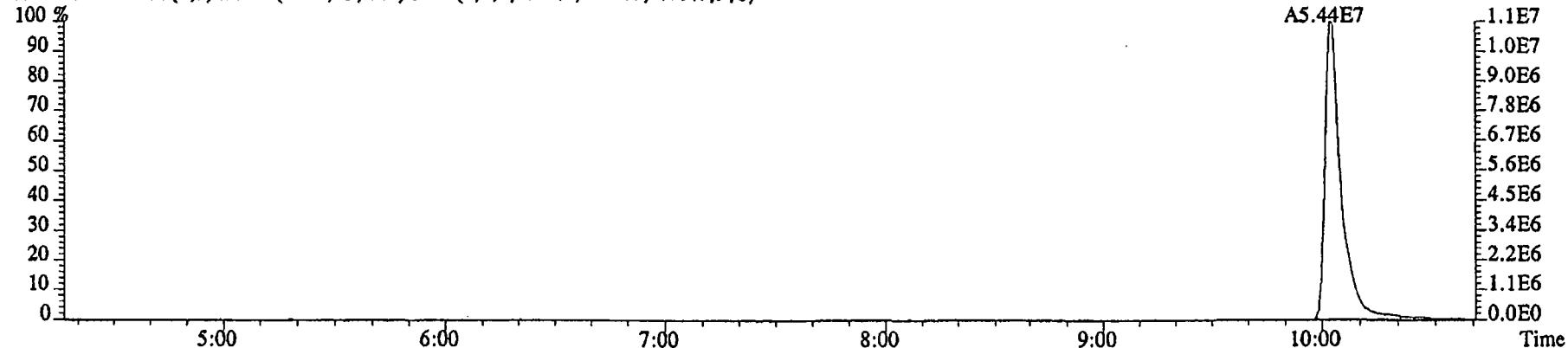
File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
75.0002 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36752.0,1.00%,F,T)



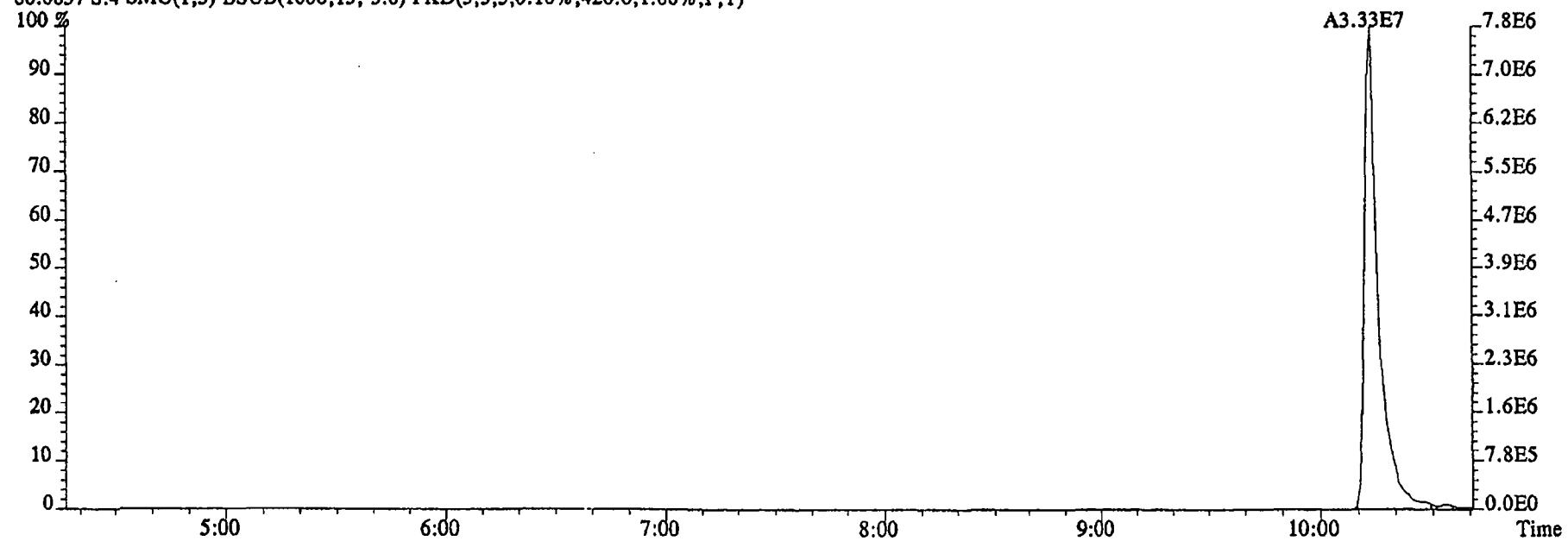
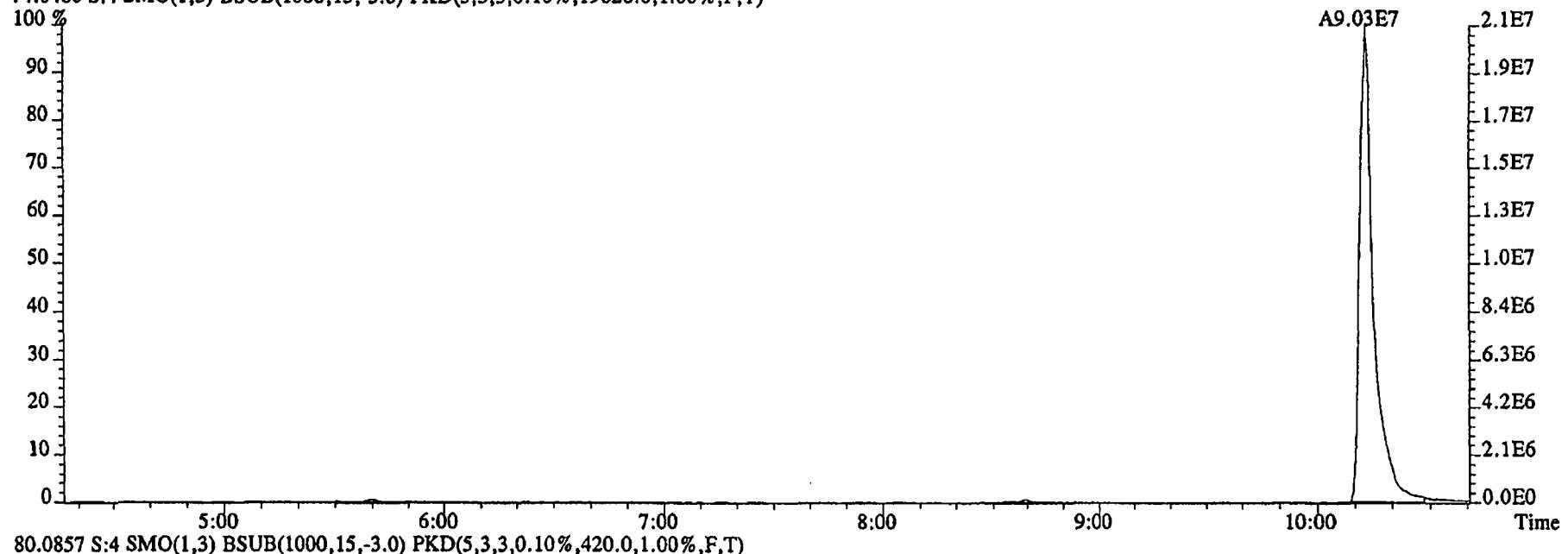
76.9972 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5864.0,1.00%,F,T)



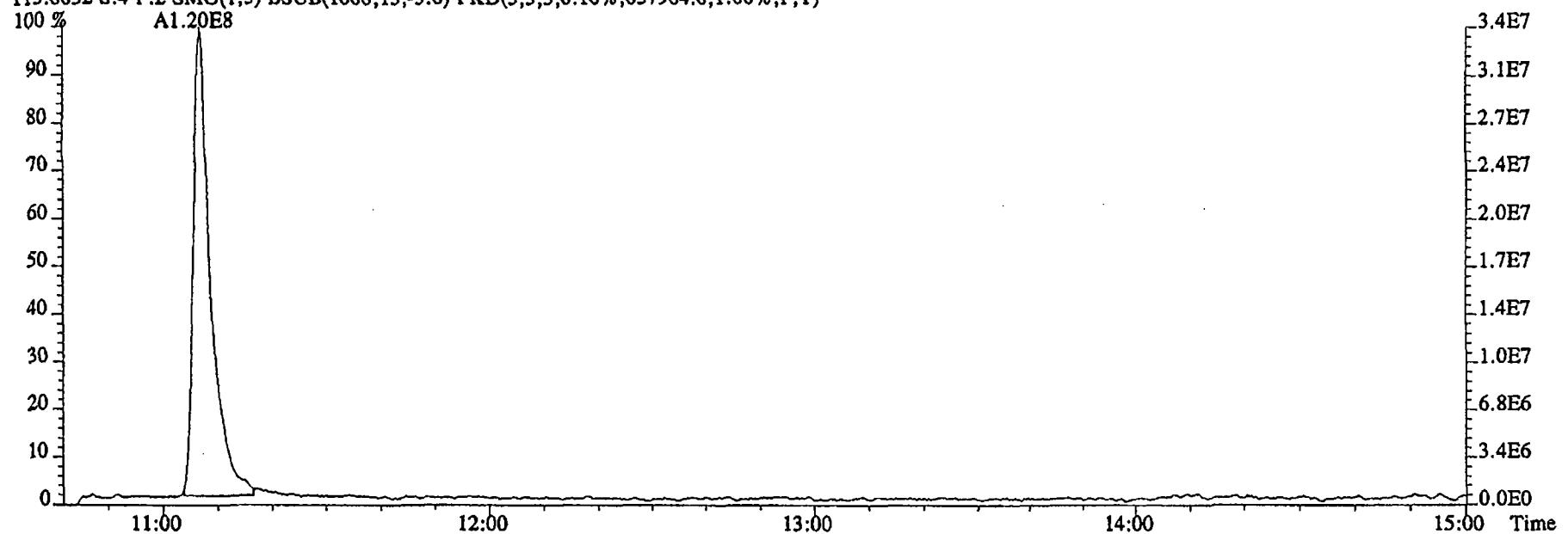
79.0253 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3360.0,1.00%,F,T)



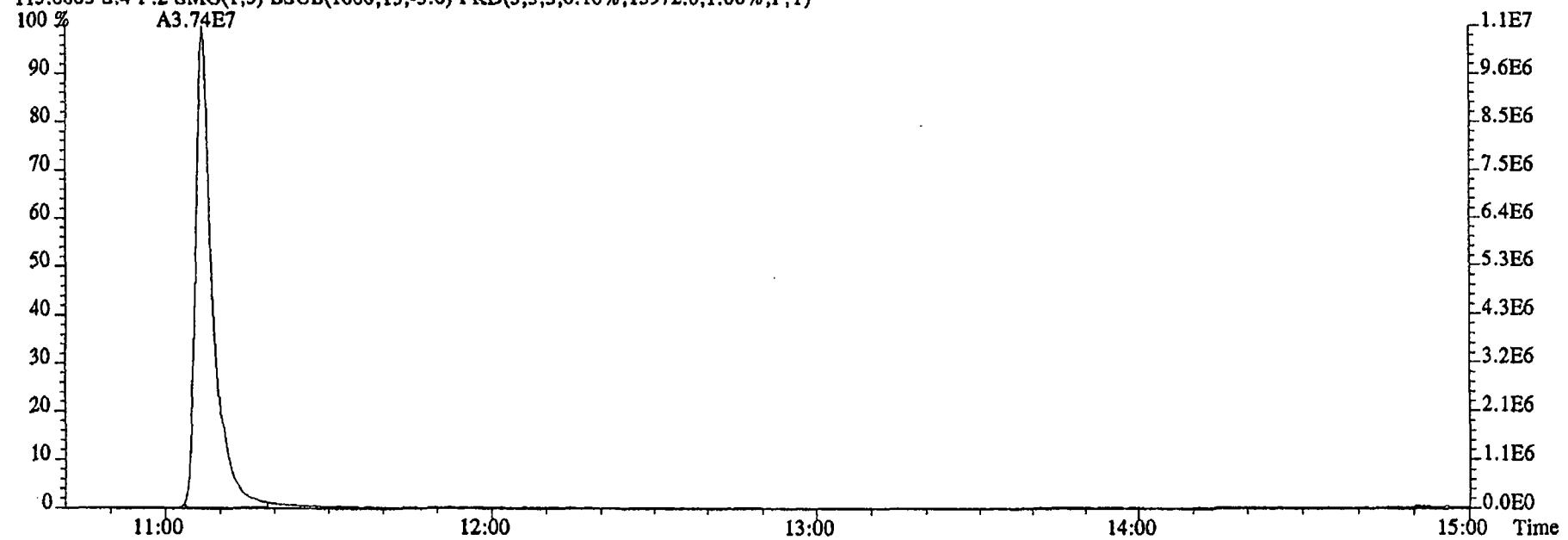
File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
74.0480 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19628.0,1.00%,F,T)



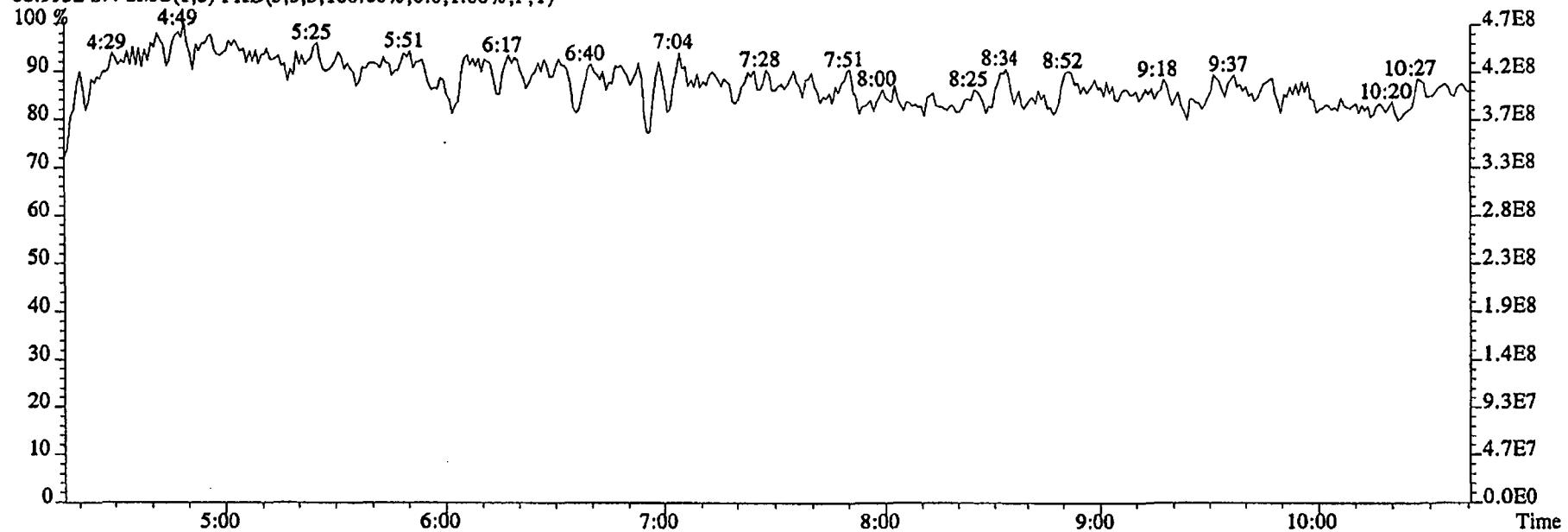
File:29DE045SP #1-602 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
113.0032 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,637964.0,1.00%,F,T)



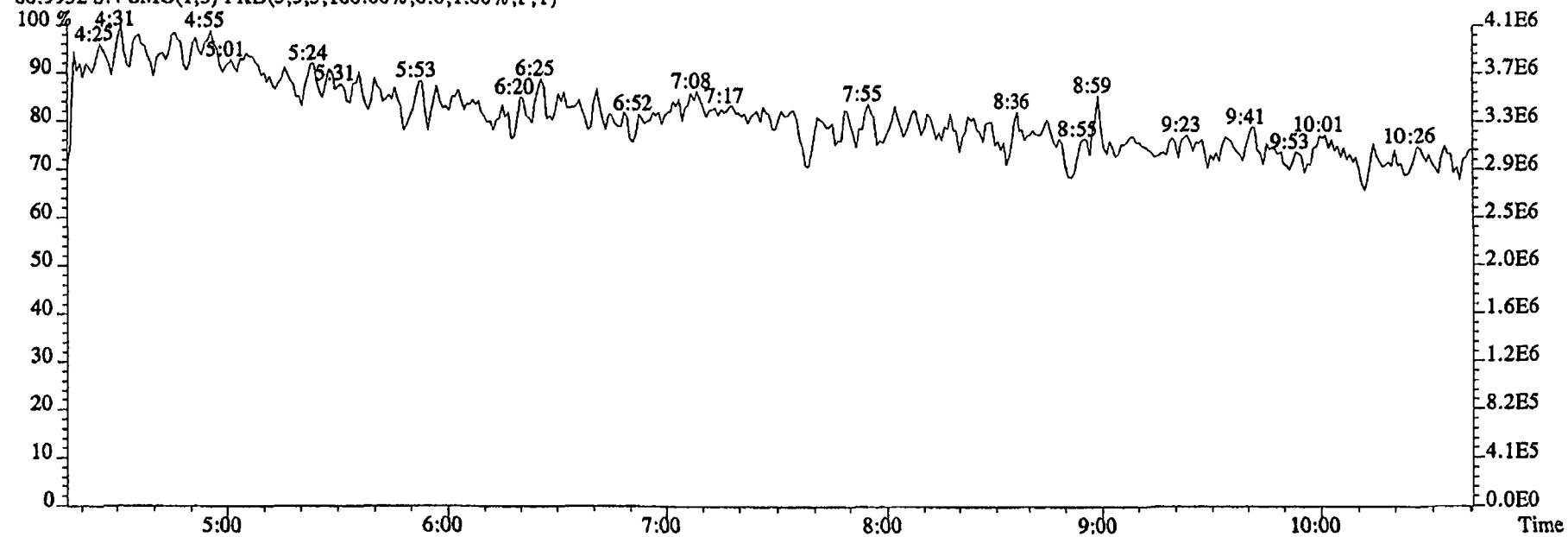
115.0003 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15972.0,1.00%,F,T)



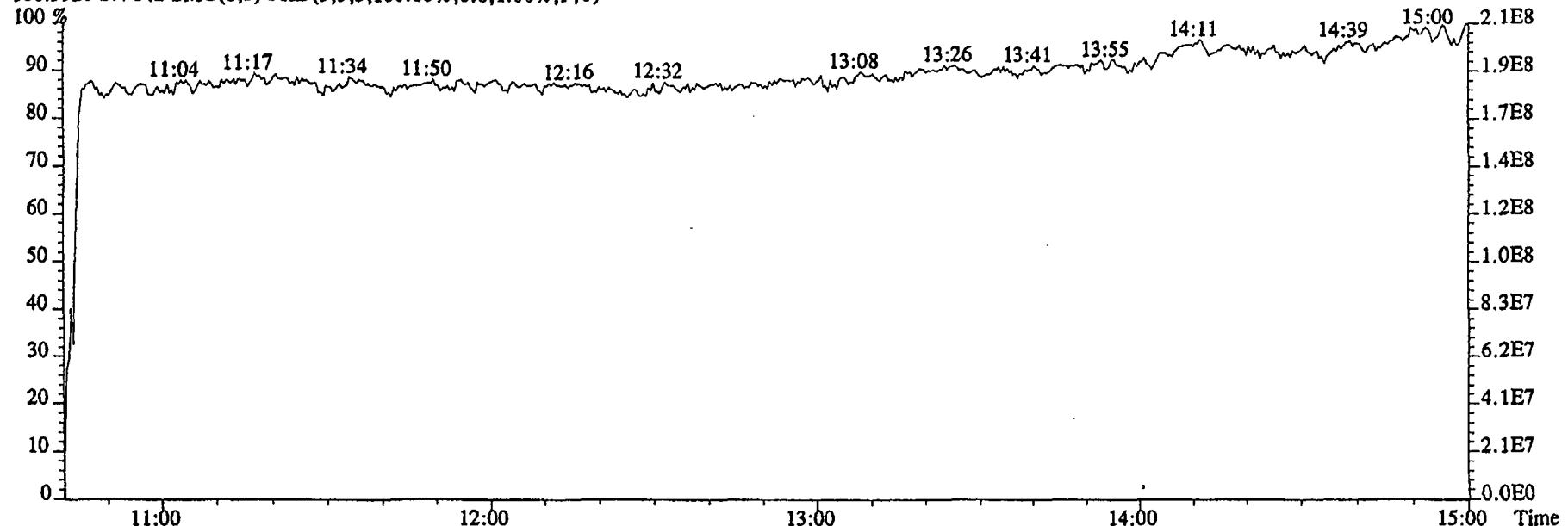
File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
68.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



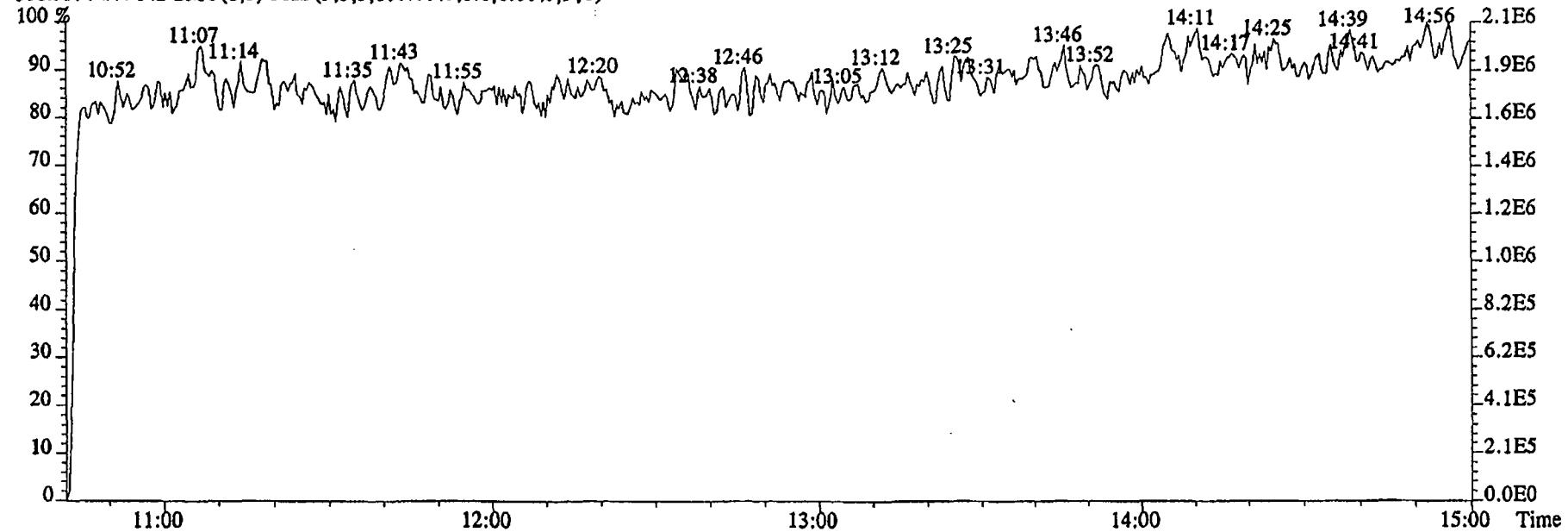
80.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



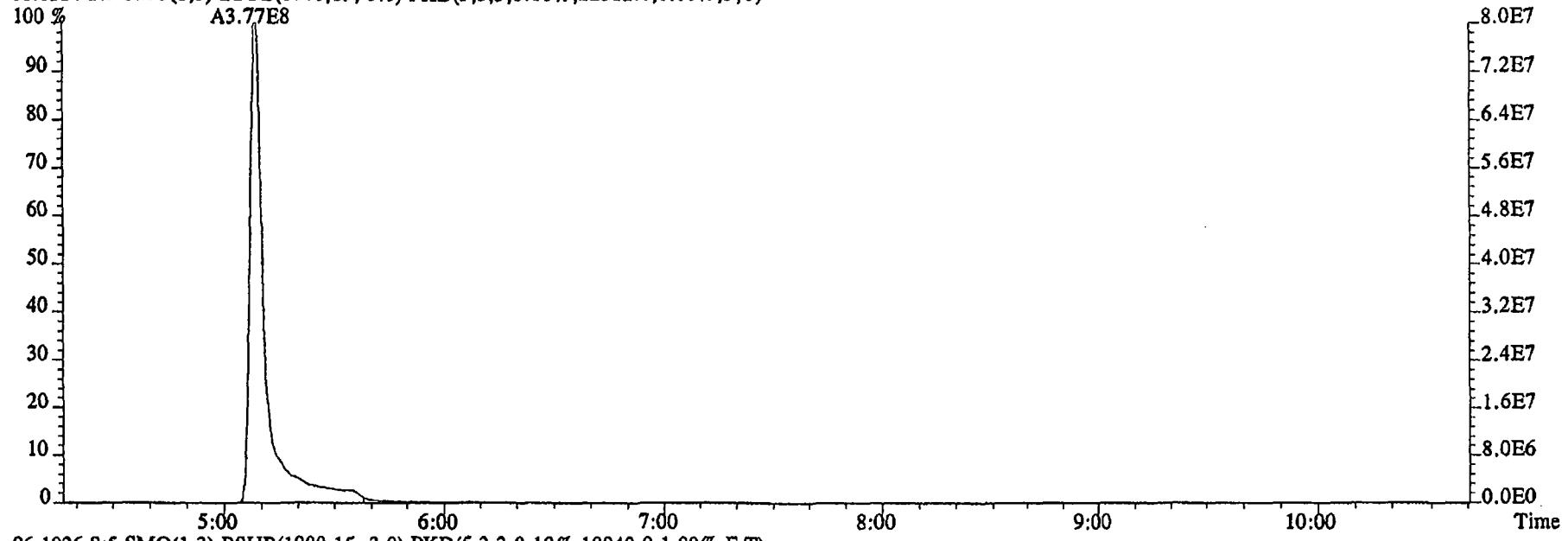
File:29DE045SP #1-602 Acq:29-DEC-2004 14:32:28 GC El+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
118.9920 S:4 F:2 SMO(1,3) PKD(S,3,5,100.00%,0.0,1.00%,F,T)



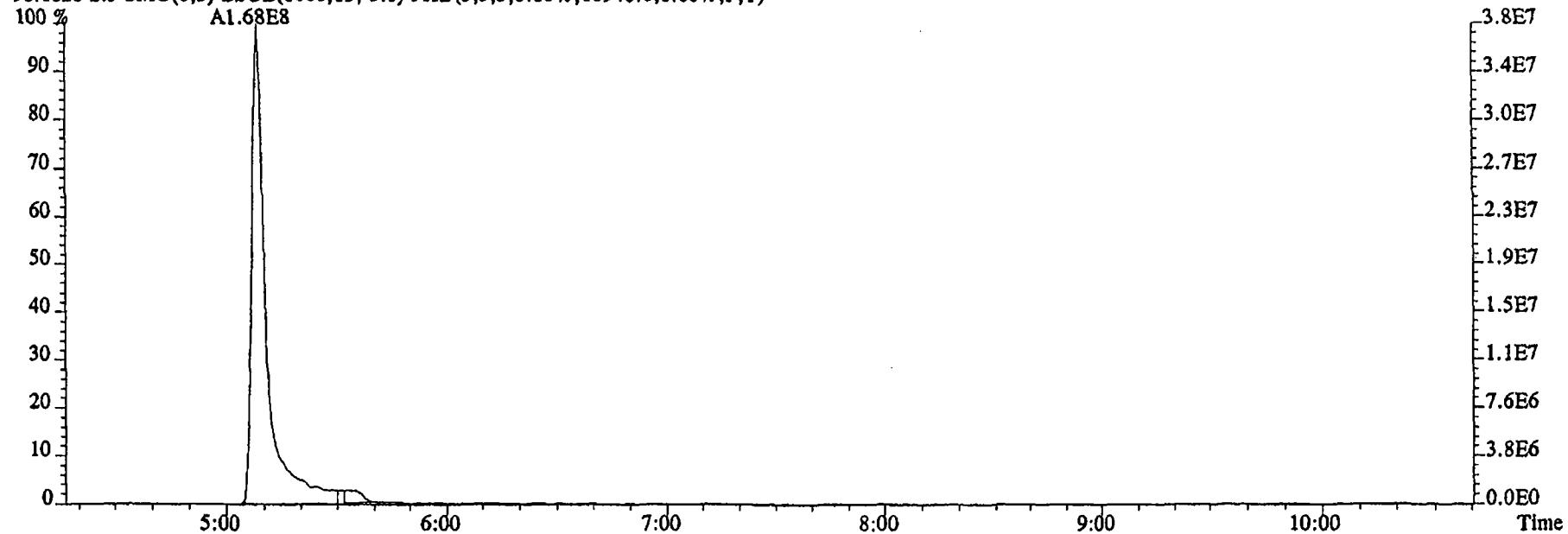
111.9936 S:4 F:2 SMO(1,3) PKD(S,3,5,100.00%,0.0,1.00%,F,T)



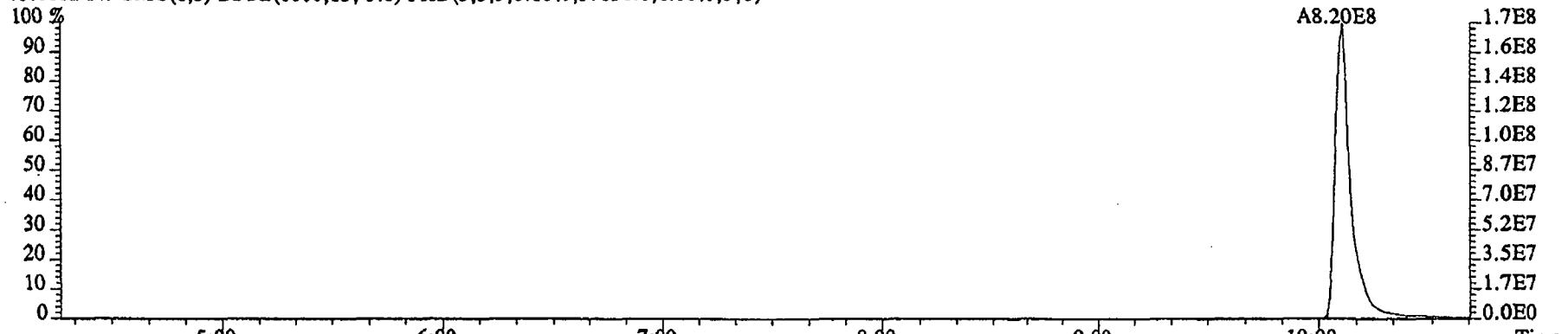
File:29DE045SP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CSS 2350-68E Exp:NDMAVOA
88.0524 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22512.0,1.00%,F,T)



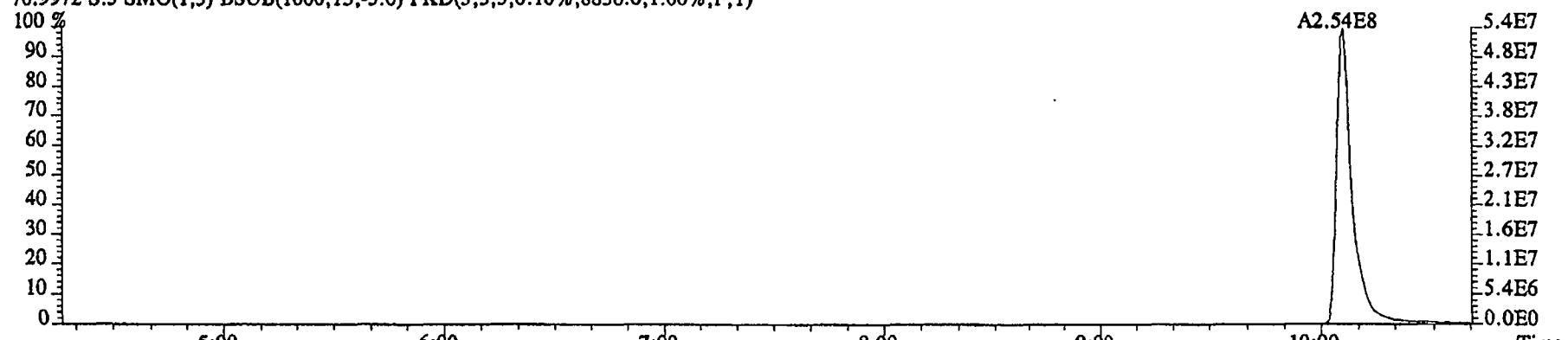
96.1026 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10940.0,1.00%,F,T)



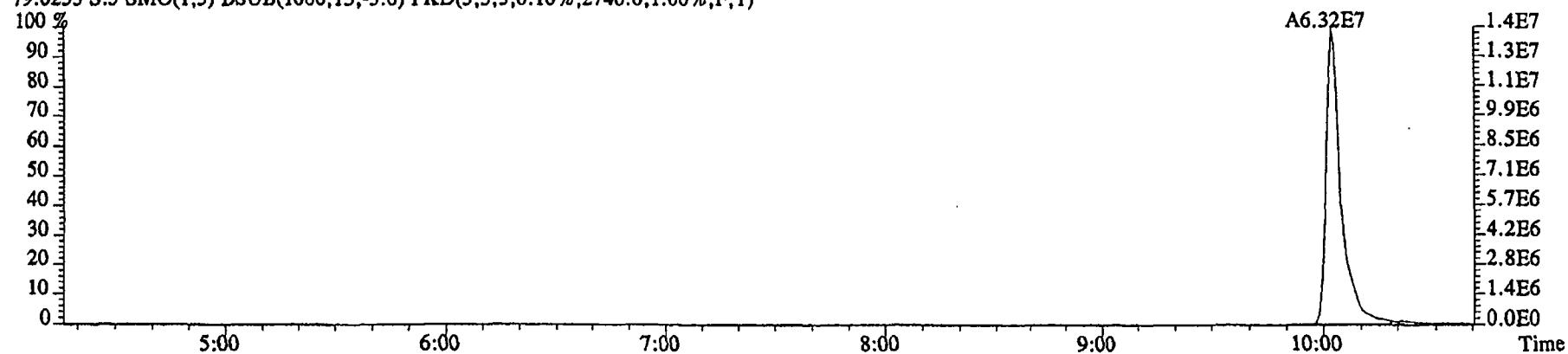
File:29DE045SP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
75.0002 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37056.0,1.00%,F,T)



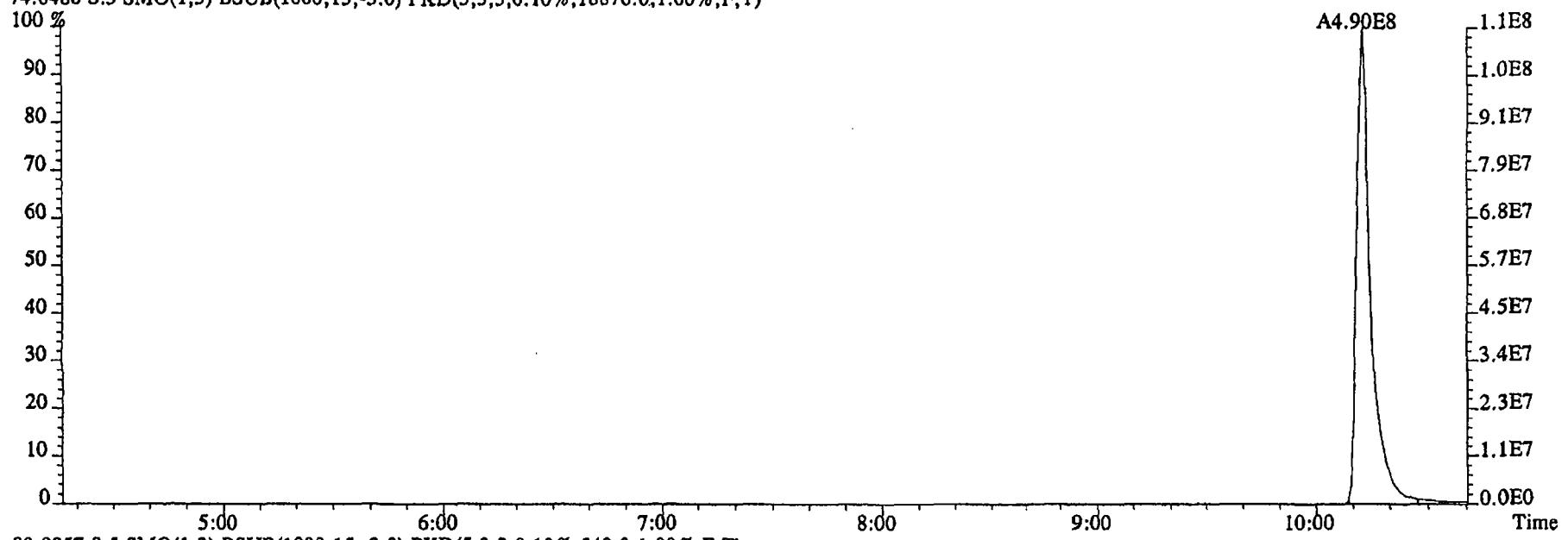
76.9972 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8836.0,1.00%,F,T)



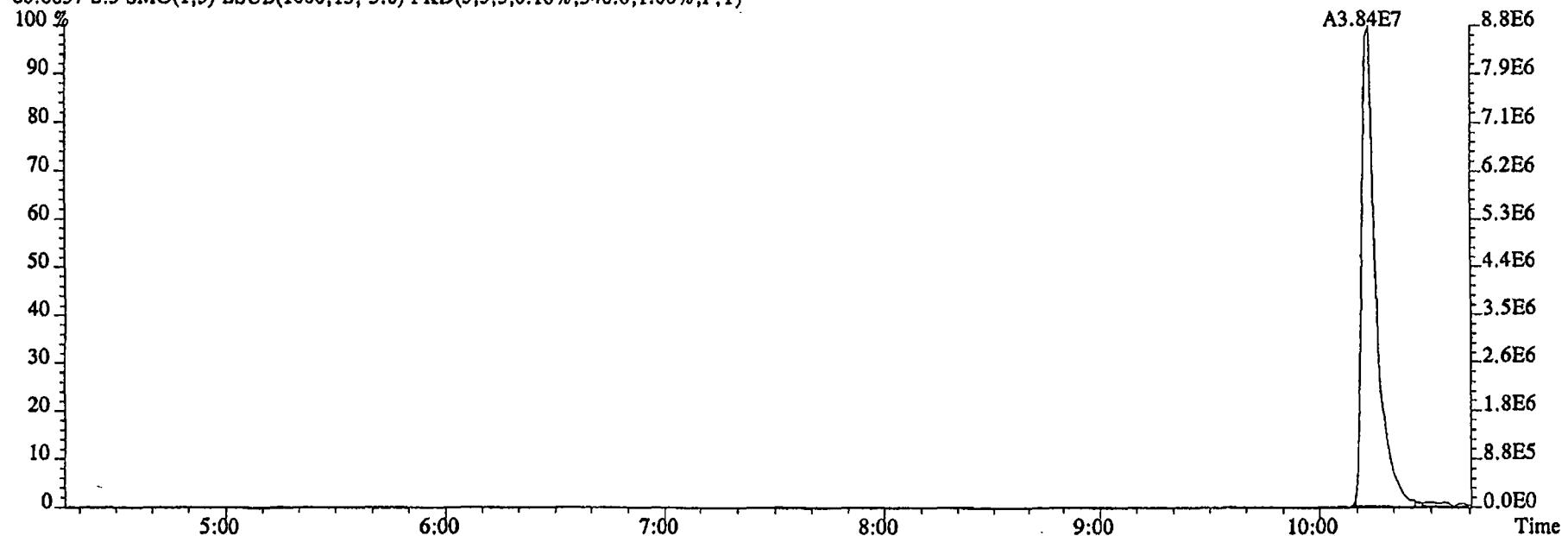
79.0253 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)



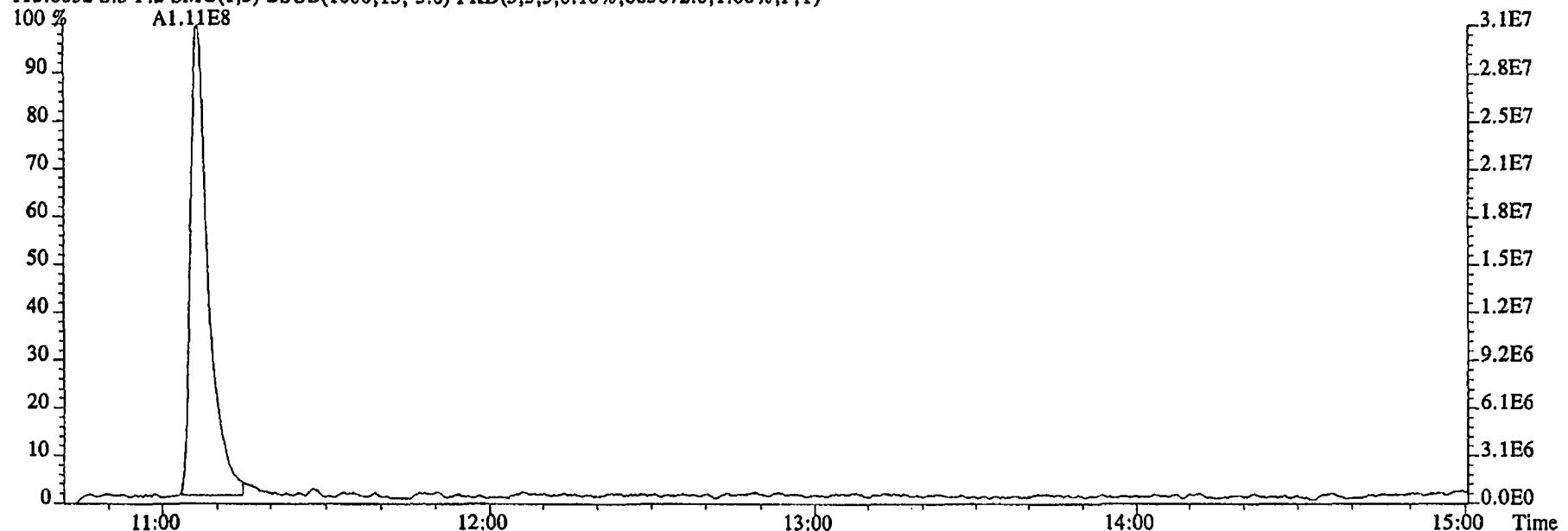
File:29DE04SSP #1-474 Acq:29-DEC-2004 14:52:54 GC EI + Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
74.0480 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18876.0,1.00%,F,T)



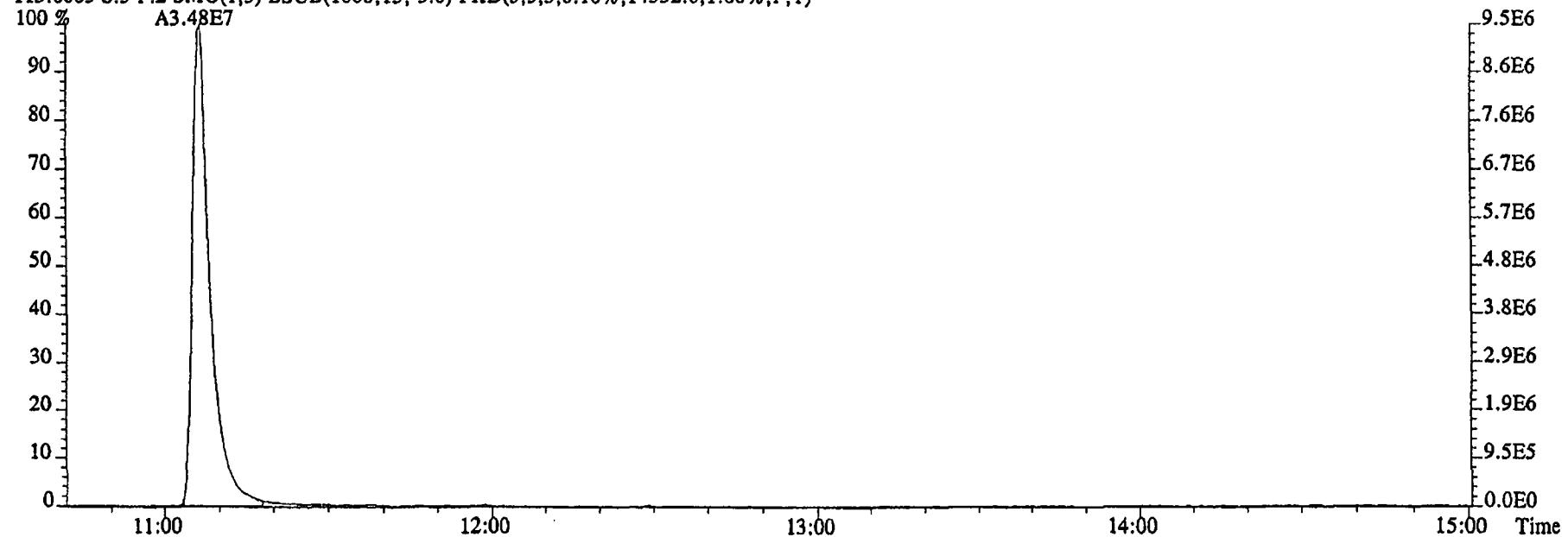
80.0857 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,540.0,1.00%,F,T)



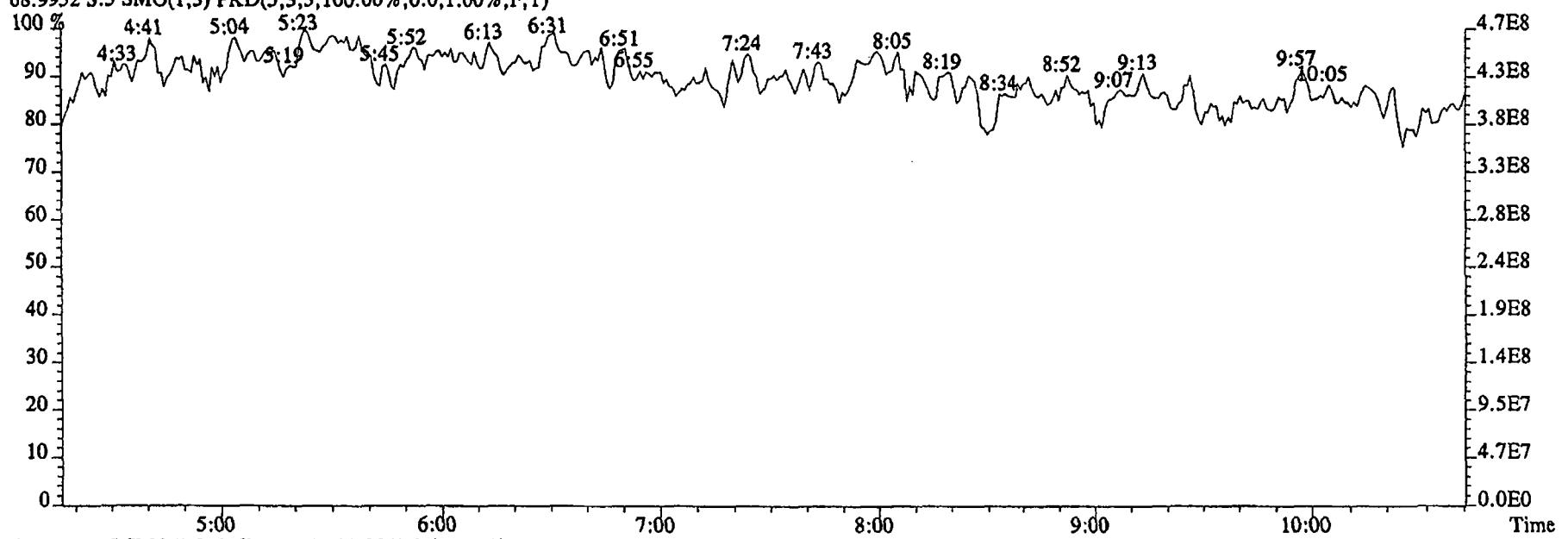
File:29DE045SP #1-603 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
113.0032 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,685672.0,1.00%,F,T)



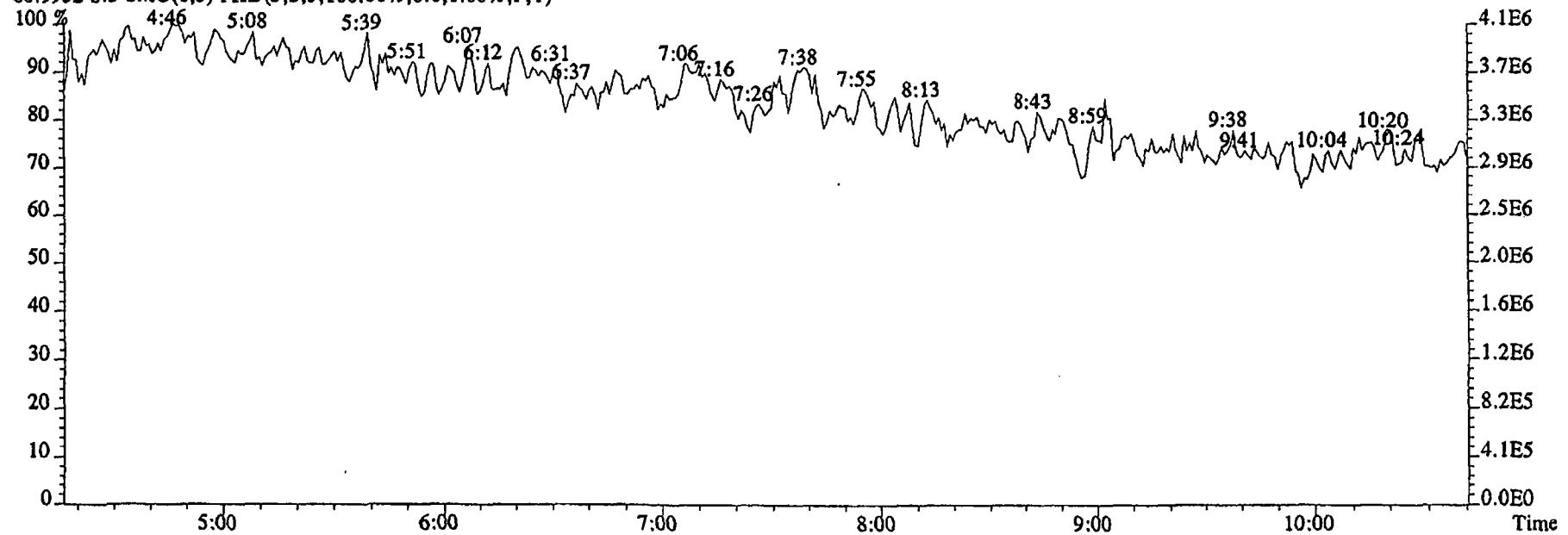
115.0003 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14552.0,1.00%,F,T)



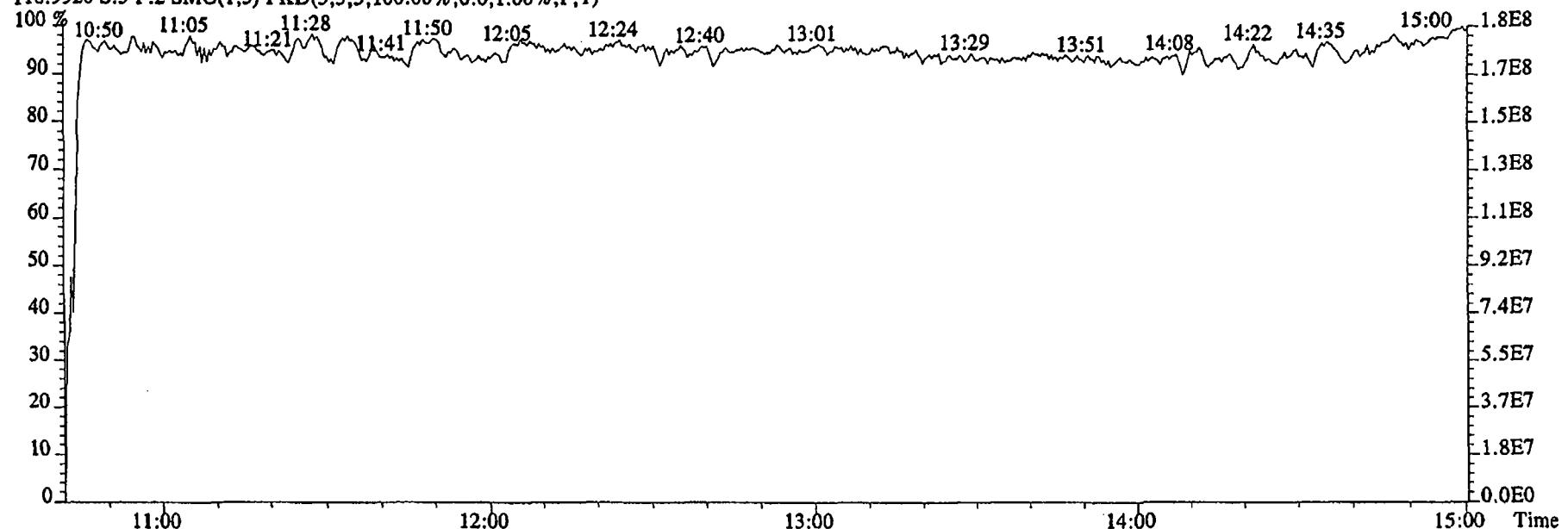
File:29DE04SSP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CSS 2350-68E Exp:NDMAVOA
68.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



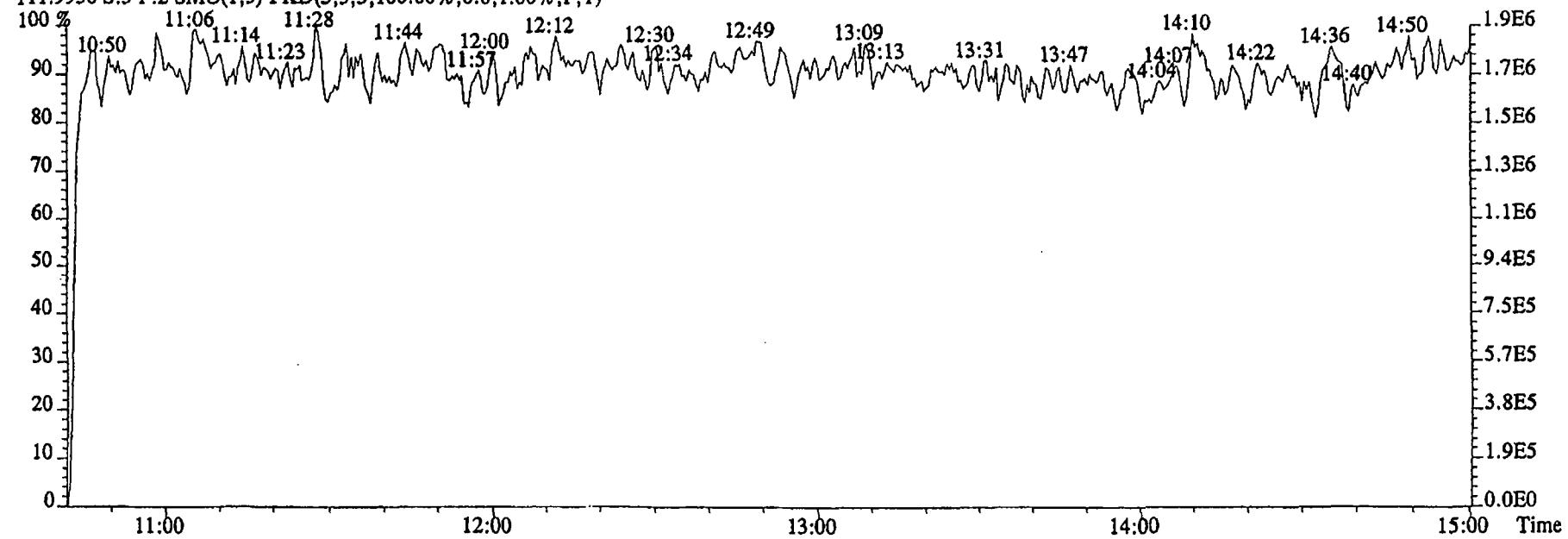
80.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 14:52:54 GC El+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
118.9920 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Sample Extraction/Preparation Log
Copies and Checklists

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G4L100385

Please Circle Extraction Type if used:

Soxhlet / Soxtherm / DI TCLP

Ext. 1

Ext. 2

6A

Extraction time on: _____

Extraction time off: _____

Semivolatiles by HRGC/HRMS (1625 Modified)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	613 Extraction	* Final Volume					
				Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date
MB		/	/	/	/					
LCS										
DCS										
1		1000mL	946.8	Q12/15/04						
2			989.5							
3			985.6							
4			952.6							
5			971.6							

All Samples
I.S. ID
Added Vol/Conc.

1000 mL 2416-35

By: QH

Witness:

Date: 12/15/04

NOA

LCS/DCS/MS/SD
N.S. ID
Added Vol/Conc.

—

By: —

Witness:

Date: —

—

All Samples
CRS/Surr ID
Added Vol/Conc.

—

By: —

Witness:

Date: —

—

All Samples
R.S. ID
Added Vol/Conc.

200 uL 2416-41

By: BDH

Witness:

Date: DEC 15 2004

J

Comments (Including Dilution at FV information):

QC Lot ID: EHD90217
Batch: 4360473

Associated Samples:

Batch:

Method:

Extraction
Solvents Used:

Solvent Lot #:

DMH
H2O

—
—

*Note: Final Volume column is used when the analyst who performed the addition of the Recovery Standard is different than the individual who concentrated the sample to the final volume. Also, if the final volume is different than the volume of Recovery Standard added, please denote in this column as well.



STL Sacramento
Data Checklist
High Resolution and Low Resolution Analyses

S E V E R N
T R E N T
S E R V I C E S

Lot ID #: G4L100385Method ID: Semivolatiles by HRGC/HRMS (1625 Modified)Sample # 1 - 5

(For Internal COC requests only)

Date Delivered to Inst.: _____ Delivered By: _____ Delivered To: _____

DB-5SP/2331DB-225

Data Analyst: CJ
 Date initiated: 11/28/04
 Reviewer: JK
 Date reviewed: 12/30/04

NA

QA/QC verification:

	Initiated <u>DB-5</u> <u>SP-2331</u>	Reviewed <u>DB-5</u> <u>SP-2331</u>	Initiated <u>DB-225</u> (High Res Only)	Reviewed <u>DB-225</u> (High Res Only)
-Daily standard package(s) present?	/	/	/	/
-Method Blank present?	/	/	/	/
-LCS/DCS copy present and meets native recovery criteria?	/	/	/	/
-Internal standard recoveries within limits?*	/	/	/	/
-Ion ratios within + 15% of theoretical values?	NA	NA	/	/
-Other QC (Dup,MS,SD) within specs?**	NA	NA	/	/

Sample Analysis:

	Initiated <u>DB-5</u> <u>SP-2331</u>	Reviewed <u>DB-5</u> <u>SP-2331</u>	Initiated <u>DB-225</u> (High Res Only)	Reviewed <u>DB-225</u> (High Res Only)
-Correct sample aliquot used?	/	/	/	NA
-All raw data present?	/	/	/	NA
-Standard target DL's used? If RL's are used specify: <u>at levels</u> <u>RL</u>	/	/	/	/
-DL's below TDL / LCL (please circle)? <u>RL</u>	/	/	/	/
-All positives reported at levels greater than method blank DL's?	/	/	/	/
-Correct RRF's used for method?	/	/	/	/
-Internal standard amounts correct for method?	/	/	/	/
-Target analytes are not saturated?	/	/	/	/
-Dilution/splitting of extract taken into account?	NA	NA	/	/
-Have dilution calculations been verified?	NA	NA	/	/
-Has a manual calculation for the sequence(s) been verified?	/	/	/	/
-Are retention times (RT) correct?	/	/	/	/
-Manual integrations checked?	/	/	/	/

Comments: (Use other side if necessary)

(1) See notes

* Recovery limits:

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (Cl4-Cl6), 25-130% (Cl7-8), 70-130% (surr.)
CARB 428:	40-120%***
CARB 429:	50-150%***
PCBs:	25-150%***
DBD/DBF:	20-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
.....

**RPD limits:

50%
20%
50%
50%
50%
50%
50%
50%

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 12/15/04
Time: 14:44:15LEV 1 LEV 2 LEV 1 LEV 2

- - Blank Weights/Volumes
 - - Check Spike & Surrogate Worksheet
 - - MS/MSD Vial contains correct volume
 - - Labels, greenbars, worksheets
 - computer batch: correct & all match
 - Anomalies to Extraction Method

- Expanded Deliverable
 - COC Completed
 - Bench Sheet Copied
 - Package Submitted to Analytical Group
 - Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

Reviewer/Date: _____ / 00/00

Semivolatiles by HRGC/HRMS (1625 Modified)
LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
12/15/04	12/23/04	E4L090217-001 GOL86-1-AA COMMENTS:		09	6A	WATER	979.1mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	12/23/04	E4L090217-002 GOL9A-1-AA COMMENTS:		09	6A	WATER	980.0mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	12/23/04	E4L090217-004 GOL9J-1-AE COMMENTS:		09	6A	WATER	974.5mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	12/23/04	E4L090217-005 GOL93-1-AE COMMENTS:		09	6A	WATER	972.2mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	12/23/04	E4L090217-006 GOL95-1-AE COMMENTS:		09	6A	WATER	984.0mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	12/23/04	E4L090217-008 GOL99-1-AE COMMENTS:		09	6A	WATER	986.8mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	12/23/04	E4L090217-009 GOMAA-1-AE COMMENTS:		09	6A	WATER	973.4mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 12/15/04
Time: 14:44:15

* QC BATCH: 4350473 * PREP DATE: 12/15/04 11:00
* COMP DATE: 12/15/04 20:00

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH'S ADJ1	ADJ2	SOLVENTS EXTRACTION VOL	EXCHANGE VOL	VOL	SPIKE STANDARD/ SURROGATE ID
12/15/04	12/23/04	E4L090217-010 GOMAF-1-AC		09	6A	WATER	988.1mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/16/04	12/30/04	G4L100385-001 GOR1N-1-AC	D	09	6A	WATER	946.8mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/16/04	12/30/04	G4L100385-002 GOR1W-1-AC	D	09	6A	WATER	989.5mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/16/04	12/30/04	G4L100385-003 GOR10-1-AC	D	09	6A	WATER	985.6mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/16/04	12/30/04	G4L100385-004 GOR12-1-AC	D	09	6A	WATER	952.6mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/16/04	12/30/04	G4L100385-005 GOR14-1-AA	D	09	6A	WATER	971.6mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	0/00/00	G4L150000-473 G05QJ-1-AAB		09	6A	WATER	1000mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2416-35
12/15/04	0/00/00	G4L150000-473 G05QJ-1-ACC		09	6A	WATER	1000mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2350-67 100UL 2416-35
12/15/04	0/00/00	G4L150000-473 G05QJ-1-ADL	R	09	6A	WATER	1000mL 20.00uL	NA	NA	NA	DCM	120.0	.0	100UL 2350-67 100UL 2416-35

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
†

NUMBER OF WORK ORDERS IN BATCH: 16

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G4L100385

6A

Please Circle Extraction Type if used:
Soxlet / Soxhtherm / DI TCLP

Ext. 1

Ext. 2

Extraction time on: _____

Extraction time off: _____

Semivolatiles by HRGC/HRMS (1625 Modified)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	613 Extraction	* Final Volume	Init/Date							
MB				/									
LCS				/									
DCS				/									
5	RX	100ul	915.4	12/22/04	12-22-04 80H								

All Samples
LS. ID
Added Vol/Conc.

100ul 2416-35

By: 

Witness:

Date: 12/22/04



LCS/DCS/MS/SD
N.S. ID
Added Vol/Conc.

—

By: —

Witness:

Date: —

—

All Samples
CRS/Surr ID
Added Vol/Conc.

—

By: —

Witness:

Date: —

—

All Samples
R.S. ID
Added Vol/Conc.

200ul/2416-41

By: 80H

Witness:

Date: DEC 22 2004



Comments (Including Dilution at FV information):

QC Lot ID: G4L080479
Batch: 4357371

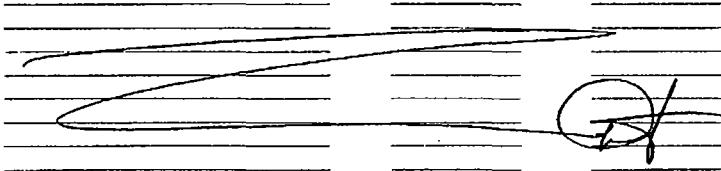
Associated Samples:

Batch:

Method:

Extraction
Solvents Used: DCM
H₂O

Solvent Lot #:



*Note: Final Volume column is used when the analyst who performed the addition of the Recovery Standard is different than the individual who concentrated the sample to the final volume. Also, if the final volume is different than the volume of Recovery Standard added, please denote in this column as well.



STL Sacramento
Data Checklist
High Resolution and Low Resolution Analyses

S E V E R N
T R E N T
S E R V I C E S

Lot ID #: G4L100385Method ID: Semivolatiles by HRGC/HRMS (1625 Modified)Sample # 5RX

(For Internal COC requests only)

Date Delivered to Inst.: _____ Delivered By: _____ Delivered To: _____

DB-5 (P-233)DB-225

Data Analyst: CJ
 Date initiated: 12-30-04
 Reviewer: JCA
 Date reviewed: 12/30/04

NA

QA/QC verification:

- Daily standard package(s) present? ✓
- Method Blank present? ✓
- LCS/DCS copy present and meets native recovery criteria? ✓
- Internal standard recoveries within limits?* ✓
- Ion ratios within + 15% of theoretical values? ✓
- Other QC (Dup,MS,SD) within specs?** NA

	<u>Initiated</u> <u>DB-5</u> <u>Sp-233</u>	<u>Reviewed</u> <u>DB-5</u> <u>Sc-233</u>	<u>Initiated</u> <u>DB-225</u> <u>(High Res Only)</u>	<u>Reviewed</u> <u>DB-225</u> <u>(High Res Only)</u>
-Daily standard package(s) present?	<u>✓</u>	<u>/</u>	<u>NA</u>	<u>NA</u>
-Method Blank present?	<u>✓</u>	<u>/</u>	<u>/</u>	<u>/</u>
-LCS/DCS copy present and meets native recovery criteria?	<u>✓</u>	<u>/</u>	<u>/</u>	<u>/</u>
-Internal standard recoveries within limits?*	<u>✓</u>	<u>/</u>	<u>/</u>	<u>/</u>
-Ion ratios within + 15% of theoretical values?	<u>✓</u>	<u>/</u>	<u>/</u>	<u>/</u>
-Other QC (Dup,MS,SD) within specs?**	<u>NA</u>	<u>NA</u>	<u>/</u>	<u>/</u>

Sample Analysis:

- Correct sample aliquot used? ✓
- All raw data present? ✓
- Standard target DL's used? If RL's are used specify: No SAVV
- DL's below TDL / LCL (please circle)? L RL
- All positives reported at levels greater than method blank DL's? ✓ 0
- Correct RRF's used for method? ✓
- Internal standard amounts correct for method? ✓
- Target analytes are not saturated? ✓
- Dilution/splitting of extract taken into account? NA
- Have dilution calculations been verified? NA
- Has a manual calculation for the sequence(s) been verified? /
- Are retention times (RT) correct? ✓
- Manual integrations checked? ✓

Comments: (Use other side if necessary)See next*** Recovery limits:**

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%*** (C14-C16), 25-130% (C17-8), 70-130% (surr.)
CARB 428:	40-120%***
CARB 429:	50-150%***
PCBs:	25-150%***
DBD/DBF:	20-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***

****RPD limits:**

50%
20%
50%
50%
50%
50%
50%
50%

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 12/22/04
Run Time: 13:25:37

<u>LEV</u>	<u>LEV</u>	<u>LEV</u>	<u>LEV</u>
-	-	-	Weights/Volumes
-	-	-	Spike & Surrogate Worksheet
-	-	-	Vial contains correct volume
-	-	-	Labels, greenbars, worksheets
-	-	-	computer batch: correct & all match
-	-	-	Anomalies to Extraction Method

- Expanded Deliverable
- COC Completed
- Bench Sheet Copied
- Package Submitted to Analytical Group
- Bench Sheet Copied per COC

Extractionist: _____

* QC BATCH: 4357371 *
*****PREP DATE: 12/22/04 10:00
COMP DATE: 12/24/04 20:00

Concentrationist: _____

Reviewer/Date: _____ / 00/00

Semivolatiles by HRGC/HRMS (1625 Modified)
LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH'S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID	
12/14/04	12/28/04	G4L080479-001 COMMENTS:	GOK68-2-AC	D	09	6A	WATER	973.5uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35
12/14/04	12/28/04	G4L080479-002 COMMENTS:	GOK69-2-AC	D	09	6A	WATER	972.0uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35
12/14/04	12/28/04	G4L080479-003 COMMENTS:	GOK7A-2-AC	D	09	6A	WATER	652.0uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35
12/14/04	12/28/04	G4L080479-004 COMMENTS:	GOK7D-2-AC	D	09	6A	WATER	932.6uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35
12/14/04	12/28/04	G4L080479-005 COMMENTS:	GOK7E-2-AC	D	09	6A	WATER	928.2uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35
12/14/04	12/28/04	G4L080479-006 COMMENTS:	GOK7F-2-AC	D	09	6A	WATER	896.1uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35
12/14/04	12/30/04	G4L090264-001 COMMENTS:	GOMLW-2-AA		09	6A	WATER	969.5uL 20.00uL	NA	NA	NA	DCM	120.0	.0	100uL 2416-35

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 12/22/04
Time: 13:25:37

 * QC BATCH: 4357371 * PREP DATE: 12/22/04 10:00
 * COMP DATE: 12/24/04 20:00

<u>EXTR EXPR</u>	<u>ANL DUE</u>	<u>LOT#, MSRUN#/ WORK ORDER</u>	<u>TEST FLGS</u>	<u>EXT</u>	<u>MTH</u>	<u>MATRIX</u>	<u>INIT/FIN WT/VOL</u>	<u>INIT</u>	<u>PH"S ADJ1</u>	<u>ADJ2</u>	<u>EXTRACTION</u>	<u>SOLVENTS VOL EXCHANGE</u>	<u>VOL</u>	<u>SPIKE STANDARD/ SURROGATE ID</u>
12/15/04	12/29/04	G4L090480-001 COMMENTS:	GOPC2-2-AC	D	09	6A	WATER	973.3uL 20.00uL	NA	NA	NA	DCM	120.0	.0 100uL 2416-35
12/15/04	12/29/04	G4L090480-002 COMMENTS:	GOPC4-2-AC	D	09	6A	WATER	976.4uL 20.00uL	NA	NA	NA	DCM	120.0	.0 100uL 2416-35
12/15/04	12/29/04	G4L090480-003 COMMENTS:	GOPC5-2-AC	D	09	6A	WATER	985.2uL 20.00uL	NA	NA	NA	DCM	120.0	.0 100uL 2416-35
12/16/04	12/30/04	G4L100385-005 COMMENTS:	GOR14-2-AA	D	09	6A	WATER	915.4uL 20.00uL	NA	NA	NA	DCM	120.0	.0 100uL 2416-35
12/14/04	0/00/00	G4L220000-371 COMMENTS:	G1NWF-1-AAB	09	6A	WATER	1000uL 20.00uL	NA	NA	NA	DCM	120.0	.0 100uL 2416-35	
12/14/04	0/00/00	G4L220000-371 COMMENTS:	G1NWF-1-ACC	09	6A	WATER	1000uL 20.00uL	NA	NA	NA	DCM	120.0	.0 100uL 2350-67 100uL 2416-35	

R = RUSH C = CLP
 E = EPA 600 D = EXP.DEL)
 M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 13

WATER, 410.4, Demand, Chemical Oxygen

CH2M Hill Inc

Client Sample ID: OC2-MW8A-W-0-107

General Chemistry

Lot-Sample #....: G4L100385-001 Work Order #....: G0R1N Matrix.....: WATER
Date Sampled....: 12/09/04 Date Received...: 12/10/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Chemical Oxygen Demand (COD)	4.2 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279
				MDL.....: 3.1		

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Inc

Client Sample ID: OC2-MW8B-W-0-108

General Chemistry

Lot-Sample #...: G4L100385-002 Work Order #...: G0R1W Matrix.....: WATER
Date Sampled...: 12/09/04 Date Received...: 12/10/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Chemical Oxygen Demand (COD)	7.7 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279
				MDL.....: 3.1		

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

I Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Inc

Client Sample ID: OC2-MW8C-W-0-109

General Chemistry

Lot-Sample #....: G4L100385-003 Work Order #....: G0R10 Matrix.....: WATER
Date Sampled...: 12/09/04 Date Received...: 12/10/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Chemical Oxygen Demand (COD)	3.6 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279
				MDL.....: 3.1		

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Inc

Client Sample ID: OC2-MW8D-W-0-110

General Chemistry

Lot-Sample #....: G4L100385-004 Work Order #....: G0R12 Matrix.....: WATER
Date Sampled....: 12/09/04 Date Received...: 12/10/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	17.6 J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279
MDL.....: 3.1						

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

G4L100385

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 410.4		4349279	4349172
002	WATER	MCAWW 410.4		4349279	4349172
003	WATER	MCAWW 410.4		4349279	4349172
004	WATER	MCAWW 410.4		4349279	4349172

METHOD BLANK REPORT

General Chemistry

Client Lot #....: G4L100385

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	PREP
		LIMIT	UNITS	ANALYSIS DATE			
Chemical Oxygen Demand (COD)	5.2 B	10.0	mg/L	MCAWW 410.4	12/14/04	G4L140000-279	4349279

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: G4L100385

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
	<u>RECOVERY</u>				<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Chemical Oxygen Demand (COD)			Work Order #: G002T1AC	LCS Lot-Sample#: G4L140000-279		
	109		(85 - 115)	MCAWW 410.4	12/14/04	4349279

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #....: G4L100385

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	PREPARATION- METHOD	PREP ANALYSIS DATE	BATCH #
Chemical Oxygen Demand (COD)	49.6	53.8	mg/L	109	MCANW 410.4	12/14/04	4349279

Work Order #: G002T1AC LCS Lot-Sample#: G4L140000-279

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: G4L100385

Matrix.....: WATER

Date Sampled....: 12/06/04

Date Received...: 12/07/04

PARAMETER	PERCENT RECOVERY	RPD	RPD	LIMITS	METHOD	PREPARATION-	PREP	ANALYSIS DATE	BATCH #
Chemical Oxygen Demand (COD)		WO#:	G0GT81AD-MS/G0GT81AE-MSD	MS	Lot-Sample #:	G4L070405-001			
	99	(75 - 125)			MCAWW 410.4		12/14/04	4349279	
	100	(75 - 125)	1.2	(0-20)	MCAWW 410.4		12/14/04	4349279	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #....: G4L100385

Matrix.....: WATER

Date Sampled....: 12/06/04

Date Received...: 12/07/04

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCNT	PREPARATION-	PREP	
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	ANALYSIS DATE	BATCH #
Chemical Oxygen Demand (COD)			WO#:	G0GT81AD-MS/G0GT81AE-MSD	MS Lot-Sample #:	G4L070405-001	
	ND	50.0	49.5	mg/L	99	MCAWW 410.4	12/14/04 4349279
	ND	50.0	50.1	mg/L	100	1.2 MCAWW 410.4	12/14/04 4349279

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Manual Colorimetric Analyses

*Hexavalent Chromium
COD
Sulfide
T-Phosphorous*

STL Sacramento

LEVEL 1&2 REVIEW CHECKLIST GENERAL CHEMISTRY

LAB NUMBERS: G 4L070405; G 4L080477; G 4L090480; G 4L100385

ANALYSIS: COD (low) DATE: 12/14/04 ANALYST: Francis

LEVEL 1 RUN REVIEW:

YES **NO** **NA**

1. Samples are properly preserved and verified
2. Run set-up meets standard criteria (Curve, ICV, ICB, REF...CCV,CCB..)
3. Calibration criteria met
4. Calibration verifications and second source reference are in control
5. Batch QC are in control (Blank, LCS, MSQC, LCS dup when necessary)
6. Calculations have been checked
7. QAS +/or QAPP was consulted and followed for client specifics
8. Standard Tracking # noted on benchsheet +/or runlog
9. Manual integration performed, documented and approved

LEVEL 1 DATA REVIEW:

1. Benchsheet complete
2. QAS +/or QAPP consulted and followed for client specifics for data entry.
3. Data entered properly
4. Copy of prep sheet and prep checklist attached to run
5. Analyst observations, HTV's, Anomalies properly documented and attached to run.

Completed By & Date: Praes 12/16/04

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified
2. Deviations, Anomalies, Holding times checked and approved
3. Reprep/Reanalysis documented and chemist notified
4. Client specific criteria met
5. Data entry checked and released in Quantims
6. Indication on benchsheet on review and release (dated & signed)
7. Manual integration reviewed, approved, and properly documented

The image shows a set of handwriting practice lines. There are three columns of five horizontal lines each. The first column has an 'X' at the top and bottom of the first row. The second column has an 'X' at the top and bottom of the fifth row. The third column has an 'X' at the top and bottom of the fourth row.

Completed By & Date: BSU 12/17/09

Comments:

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEETRun Date: 12/14/04
Time: 15:20:08

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL <u>NUMBER</u>	SAMPLE <u>NUMBER</u>	RE-RUN <u>QC</u>	RE-RUN <u>MATRIX</u>	MISC <u>NUMBER</u>	TOTAL <u>HOURS</u>	EXPANDED <u>DELIVERABLE</u>

METHOD: VO Demand, Chemical Oxygen (410.4)
 QC BATCH #: 4349279 INITIALS: DATA ENTRY:
 PREP DATE: 12/14/04 10:30 PREP _____ INITIALS _____
 COMP DATE: 12/14/04 12:30 ANAL _____ DATE _____
 USER: FRANCISF

MS# 4349172

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
G0GT8-1-AA	G-4L070405-001	XX I 21 VO 01	Y-D	_____	OC2-MW4A-W-0-92
G0GT8-1-AE	G-4L070405-001-D	XX I 21 VO 01	Y-D	_____	OC2-MW4A-W-0-92
G0GT8-1-AD	G-4L070405-001-S	XX I 21 VO 01	Y-D	_____	OC2-MW4A-W-0-92
G0GT9-1-AA	G-4L070405-002	XX I 21 VO 01	Y-D	_____	OC2-MW4B-W-0-93
G0GVA-1-AA	G-4L070405-003	XX I 21 VO 01	Y-D	_____	OC2-MW4B-W-1-94
G0GVC-1-AA	G-4L070405-004	XX I 21 VO 01	Y-D	_____	OC2-MW4C-W-0-95
G0GVE-1-AA	G-4L070405-006	XX I 21 VO 01	Y-D	_____	OC2-MW5A-W-0-97
G0K68-1-AA	G-4L080479-001	XX I 21 VO 01	Y-D	_____	OC2-MW1A-W-0-98
G0K69-1-AA	G-4L080479-002	XX I 21 VO 01	Y-D	_____	OC2-MW1B-W-0-99
G0K7A-1-AA	G-4L080479-003	XX I 21 VO 01	Y-D	_____	OC2-MW6-W-0-100
G0K7D-1-AA	G-4L080479-004	XX I 21 VO 01	Y-D	_____	OC2-MW9B-W-0-101
G0K7E-1-AA	G-4L080479-005	XX I 21 VO 01	Y-D	_____	OC2-MW7A-W-0-102
G0K7F-1-AA	G-4L080479-006	XX I 21 VO 01	Y-D	_____	OC2-MW7A-W-1-103
G0PC2-1-AA	G-4L090480-001	XX I 21 VO 01	Y-D	_____	OC2-MW10A-W-0-104
G0PC4-1-AA	G-4L090480-002	XX I 21 VO 01	Y-D	_____	OC2-MW3A-W-0-105
G0PC5-1-AA	G-4L090480-003	XX I 21 VO 01	Y-D	_____	OC2-MW2A-W-0-106
G0R1N-1-AA	G-4L100385-001	XX I 21 VO 01	Y-D	_____	OC2-MW8A-W-0-107
G0R1W-1-AA	G-4L100385-002	XX I 21 VO 01	Y-D	_____	OC2-MW8B-W-0-108
G0R1O-1-AA	G-4L100385-003	XX I 21 VO 01	Y-D	_____	OC2-MW8C-W-0-109

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEETRun Date: 12/14/04
Time: 15:20:08

STL Sacramento

QC BATCH #: 4349279

INITIALS:

DATA ENTRY:

PREP DATE: 12/14/04 10:30

PREP _____

INITIALS _____

COMP DATE: 12/14/04 12:30

ANAL _____

DATE _____

USER: FRANCISF

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
G0R12-1-AA	G-4L100385-004	XX I 21 VO 01	Y-D	_____	OC2-MW8D-W-0-110
G002T-1-AA	G-4L140000-279-B	XX I 21 VO 01	_____	_____	INTRA-LAB BLANK
G002T-1-AC	G-4L140000-279-C	XX I 21 VO 01	_____	_____	INTRA-LAB CHECK
G002T-1-AD	G-4L140000-279-L	XX I 21 VO 01	_____	_____	INTRA-LAB CHECK

Control Limits

(75-125)

(75-125)

(85-115)

(85-115)

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch 4349279

Date 12/15/2004
Time 7:58:23

Method Code: VO Demand, Chemical Oxygen (410.4)
Analyst: Filomena Francis

<u>Work Order</u>	<u>Result</u>	<u>Units</u>	<u>LDL/Dil</u>	<u>Prep. - Anal.</u>	<u>Total Solids</u>	<u>PSRL Flag</u>	<u>R/R</u>	<u>Rounded Result</u>	<u>Output LDL</u>	<u>Dil.</u>
G0GT8-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GT9-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GVA-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GVC-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GVE-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K68-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K69-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7A-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7D-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7E-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7F-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0PC2-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0PC4-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0PC5-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R1N-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R1W-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R10-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R12-1-AA	17.65	mg/L	10	12/14/04	.00	N		17.6	10.0	1.00
G002T-1-AA	ND	mg/L	10	12/14/04	.00			ND	10	1.00

Notes:

LCS - LCSD

<u>Work Order</u>	<u>Exception Code</u>	<u>Measured Sample</u>	<u>True Spike</u>	<u>Measured SPIKE</u>	<u>Measured Dup.</u>	<u>Pct. SPIKE</u>	<u>Recovered DUP</u>	<u>RPD</u>	<u>Prep. - Anal.</u>	<u>Dil.</u>
G002T-1-AC		49.6		53.8288	54.4526	108.52	109.78	1.15	12/14/04	1.00

Notes:

PDE115

Severn Trent Laboratories, Inc.
 Inorganics Batch Review
 QC Batch 4349279

Date 12/15/2004
 Time 7:58:23

Method Code: VO Demand, Chemical Oxygen (410.4)
 Analyst: Filomena Francis
 MS - MSD

Work Order	Exception Code	Measured Sample	True Spike	Measured SPIKE	Measured Dup.	Pct. SPIKE	Recovered DUP	RPD	Prep. - Anal.	Dil.
GUGT8-1-AD	ND	50		49.4626	50.0863	98.92	100.17	1.25	12/14/04	1.0C

Notes:

TEST	PRODUCTION TOTALS						HOURS
	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	
	0	0	0	0	0	0	.0

STL Sacramento

CURVE CALCULATION BENCHSHEET

(SOP # SAC-WC-0040)

ANALYST FRANCISF
 REVIEWED BY BR
 BATCH NO. 4349279

ANALYSIS DATE 12/14/04
 REVIEW DATE 12/17/04
 MS RUN NO. 4349172

METHOD NO. EPA 410.4
 INSTRUMENT ID: SP2
 ICV SOURCE: 2392-WC-59-4

FILE 121404A
 CCV SOURCE: 2392-WC-59-6

Lab ID	Time	True Conc. mg/L	Background Absorbance	Sample Aliquot		Extract Volume mL	Dilution	Absorbance	Raw Result	COD (Low)			
				gram	mL								
1 Std0	15:26	0						0.493	-2.62080	Intercept = 1.5113E+02			
2 Std1	15:26	10						0.442	13.28490	Slope = -3.1188E+02			
3 Std2	15:25	50						0.321	51.02195	$r = -0.999120$			
4 Std3	15:25	100						0.173	97.17966				
5 Std4	15:25	150						0	151.13429				
6													
7													
8													
9													
10 [LCS/ICV:G4L070	15:26	49.6			2	2	1	0.312	53.82884	53.8288	109%		
11 [BLK/ICB:G4L070	15:27				2	2	1	0.468	5.17611	5.1761	< RL		
12 LCS-DUP	15:27	49.6			2	2	1	0.31	54.45259	54.4526	110%		
13													
14 G0GT8	15:28				2	2	1	0.477	2.36923	2.3692	< RL		
15 G0GT8-S	15:29	50			2	2	1	0.326	49.46257	49.4626	99%		
16 G0GT8-D	15:29	50			2	2	1	0.324	50.08632	50.0863	100%		
17 G0GT9	15:29				2	2	1	0.466	5.79987	5.7999	< RL		
18 G0GVA	15:30				2	2	1	0.458	8.29488	8.2949	< RL		
19 G0GVC	15:30				2	2	1	0.471	4.24048	4.2405	< RL		
20 G0GVE	15:30				2	2	1	0.477	2.36923	2.3692	< RL		
21 G0K68	15:31				2	2	1	0.468	5.17611	5.1761	< RL		
22 CCV	15:32	50			2	2	1	0.313	53.51696	53.5170	107%		
23 CCB	15:32				2	2	1	0.471	4.24048	4.2405	< RL		
24 G0K69	15:32				2	2	1	0.472	3.92861	3.9286	< RL		
25 G0K7A	15:32				2	2	1	0.477	2.36923	2.3692	< RL		
26 G0K7D	15:33				2	2	1	0.475	2.99298	2.9930	< RL		
27 G0K7E	15:33				2	2	1	0.471	4.24048	4.2405	< RL		
28 G0K7F	15:33				2	2	1	0.471	4.24048	4.2405	< RL		
29 G0PC2	15:34				2	2	1	0.47	4.55236	4.5524	< RL		
30 G0PC4	15:34				2	2	1	0.471	4.24048	4.2405	< RL		
31 G0PC5	15:34				2	2	1	0.459	7.98300	7.9830	< RL		
32 G0R1N	15:35				2	2	1	0.471	4.24048	4.2405	< RL		
33 G0R1W	15:35				2	2	1	0.46	7.67112	7.6711	< RL		
34 CCV	15:35	50			2	2	1	0.322	50.71007	50.7101	101%		
35 CCB	15:35				2	2	1	0.471	4.24048	4.2405	< RL		

$y =$
12/16/04

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36	G0R10	15:36			2	2	1	0.473	3.61673	3.6167		< RL
37	G0R12	15:36			2	2	1	0.428	17.65117	17.6512		
38	CCV	15:37	50		2	2	1	0.326	49.46257	49.4626	99%	
39	CCB	15:37			2	2	1	0.474	3.30485	3.3049		< RL